


THE PACIFIC COAST ARCHITECT



A MONTHLY JOURNAL FOR THE
ARCHITECTURAL INTERESTS
OF THE PACIFIC COAST 

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VOLUME 1

AUGUST, 1911

NUMBER 5

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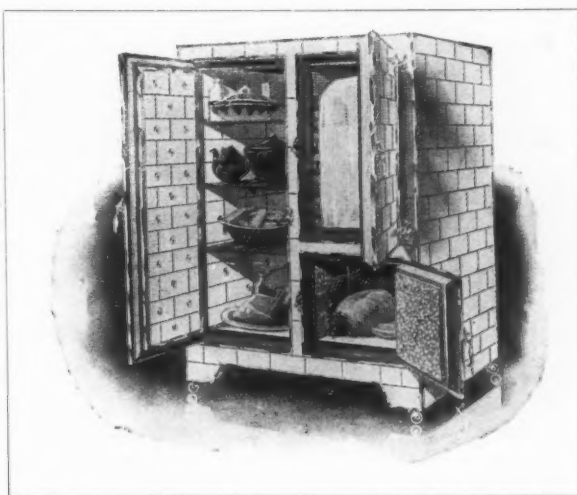
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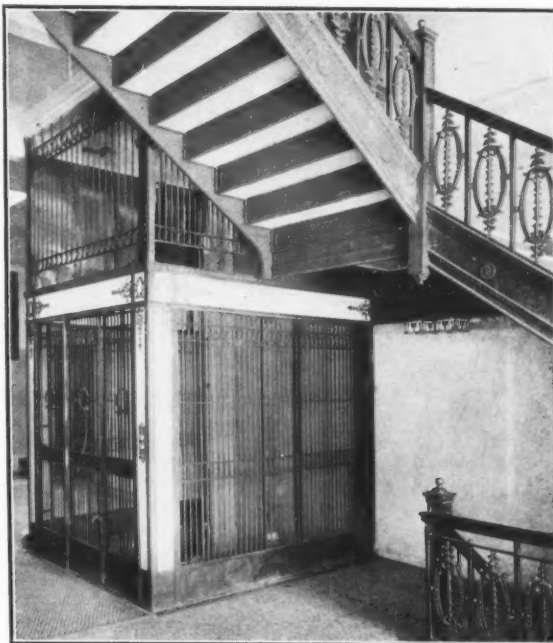
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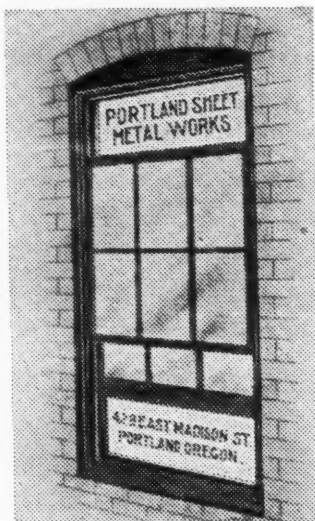


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The Pacific Coast Architect



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PORTLAND, OREGON, AUGUST 1911

NUMBER 5

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The Editor will be pleased to consider contributions of interest to the readers of this publication. When payment for same is desired this fact should be stated. Self addressed envelopes must accompany all such contributions.

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Current Items

Failure to receive illustrations promised for the August issue accounts for the lateness of the current issue.

Owing to the heavy demand for "sample copies" and the expense of publishing our magazine, we have decided to discontinue this practice. However, we will be pleased to mail current issues on receipt of the price.

Portland is the home of a new correspondence school which will teach you all about how to design and build a forty-story building by mail. There are only a million shares at one dollar per share. How many do you want?

The monthly meetings of the Portland Architectural Club will be continued in September. Alterations on the new quarters are progressing rapidly and it is hoped that the work will be completed in time for the first fall meeting.

Too bad the auditorium cannot be completed in time for the Elks' National Convention.

The attention of architects is called to the competition for plans for the new auditorium.

We are of the opinion that Mayor Rushlight's step in asking for a statement of the resources and liabilities of the bonding companies doing business in Portland is a move in the right direction. Some bonding companies will bond contractors for any amount, irrespective of their financial or moral responsibility, merely to secure the small premium charged.

At the request of a large number of members of the Multnomah Amateur Athletic club, who were unable to obtain copies of the April issue in which the illustrations of their new clubhouse were run, we are showing them again in this issue.

Our Auditorium

We are to have our auditorium at last. It is to closely follow the St. Paul auditorium in general arrangement. The site chosen is the old market block. The Commission has retained Ellis F. Lawrence as professional adviser. The Board is to be congratulated upon securing a man of Mr. Lawrence's ability as its adviser. But, there is a fly in the ointment—in fact a couple of them. In the first place the site chosen is not large enough to allow the construction of the building required and in the second place we are of the opinion that the auditorium ought to be built on the East side of the river.

The construction of an auditorium which might adequately fulfill the requirements of today would not serve the same purposes of tomorrow. We all like to think of the time when Portland will be a city of at least half a million souls and fondly predict that that is a condition which is not far off. Precedents establish facts and it is a fact that the auditorium or meeting places of many growing cities have proven inadequate a comparatively short time after their construction. So that it behooves us to make progress slowly.

An auditorium should be primarily designed for a place in which public meetings of all kinds might be held. Not merely a convention hall. It should be located in a place most convenient for the greatest number of people. Sixty per cent of the present population live on the east side of the river and when the city obtains its hoped-for growth, this percentage will show a natural increase. Therefore, in our humble opinion, the auditorium should be located on the side of the river where it will be the most convenient for the people who have to pay the most towards its upkeep. It is and should be a pure question of convenience.

We believe the proper place for the location of the auditorium is one block east or west of Grand Avenue and between Ankeny street on the north and Hawthorne avenue on the south.

By all means let us be sure we are right before we go ahead.

R. A. Hume Sold Short-Weight Sand and Gravel, So Alleges Elwood Wiles

Elwood Wiles, paving contractor, and the Star Sand Company, one of the three organizations commonly referred to as the "sand trust," have each filed a suit against the other in the Circuit Court. The sand company demands judgment against the contractor for \$3,649.77, alleging an unpaid balance of that amount. Wiles is requesting the court to find that he does not owe \$3,649.77, declaring that the sand company gave him short measure.

Wiles declares that his action was brought for the purpose of clearing his credit, C. Mensinger, president of the Star Sand Company, having threatened to injure him with the banks.

"Subsequent to June 1, 1909, on which date the Star Sand Company, C. J. Cook Company and Nickum & Kelly combined and appointed R. A. Hume their agent, we were able to order only through Hume," said Mr. Wiles. "All orders were filled by the company which had its plant closest to the place of delivery. I was thus forced to take sand from the Star Company. The amount in dispute is the sum which I held out because of short measure. The wagons of the company carried only two cubic yards. I was charged at the rate of two and one-third cubic yards a load.

"Last Fall in the Municipal Court the company was convicted of giving short weight and the wagons are now carrying scantlings four inches in height around their outside rims, which allow the other third of a yard to be loaded."

Competition, says Mr. Wiles, sounded the death knell of the consolidation. Since the first of the year sand and gravel prices have declined 25 per cent, partly because two new companies, the Portland Sand Company and the Western Lime & Plaster Company, have entered the field, and partly because of an ordinance allowing washed-pit gravel to be used in place of river gravel if desired in street paving and sidewalk work.

State Capital to be Designed by Easterners

Olympia.—Wilder & White, architects, of New York, were selected by the Washington state capitol commission to have charge of the new \$5,000,000 capitol to be built on the group plan, construction of which will be started within a short time. The first building will be a \$350,000 temple of justice.

The commission held a competition and thirty contestants entered. The winner takes charge of the actual construction work.

The first money prize went to Howell-Stokes, of New York, who were awarded \$1,000 in cash; the second prize of \$750 was awarded to David J. Meyers, of Seattle; the \$500 prize to Wilcox & Sayward, Seattle, while the \$250 prize was won by Earnest Flagg, New York.

Those getting honorable mention were Gilbert Lorensburgh, San Francisco; Milton Lichtenstein, San Francisco; W. Marbury Somervell, Seattle; William K. Macomber, Seattle.

The decision of the commission, which was reached with the assistance of a board of three advisory architects, was announced by Governor Hay today, after the commission had spent four days doing nothing but examining plans. In each instance the verdict was unanimous.

Portland Fourth in United States in July Building Record

July building statistics compiled for 48 large cities representing all sections of the country, show an increase of 12 per cent over the figures for July, 1910. Chicago leads off with a gain of 115 per cent, which is equal to an increase of over \$6,000,000. New York's gain was 20 per cent, or \$2,500,000.

Portland's increase of 62 per cent was only exceeded by that of Chicago, Buffalo, New Haven and Omaha.

Particulars will be found in the following tables:

JULY PERMITS.

City.	July, 1911. Cost.	July, 1910. Cost.
Baltimore	\$ 434,865	\$ 753,404
Birmingham	294,543	305,039
Buffalo	1,626,000	893,000
Cedar Rapids	175,000	212,400
Chicago	11,300,000	5,253,200
Cincinnati	807,780	812,320
Columbus	483,215	313,778
Dallas	345,360	890,865
Denver	503,800	1,765,635
Des Moines	92,340	218,662
Detroit	1,958,100	1,556,665
Duluth	208,985	266,955
Evansville	231,785	84,352
Grand Rapids	324,775	242,080
Hartford	400,410	373,515
Indianapolis	571,500	890,500
Kansas City	755,896	1,584,465
Knoxville	99,238	68,412
Little Rock	149,745	131,176
Los Angeles	1,823,104	1,319,268
Manchester	110,555	113,275
Memphis	316,680	928,185
Milwaukee	956,477	1,176,390
Minneapolis	1,416,670	1,151,930
Nashville	175,500	203,320
Newark	718,105	729,202
New Haven	613,580	218,257
New Orleans	509,794	428,620
Manhattan	7,650,353	7,000,775
Brooklyn	3,674,250	3,394,893
Bronx	4,121,580	2,509,250
New York	15,446,183	12,904,918
Oakland	588,107	452,024
Oklahoma City	162,051	565,930
Omaha	1,234,025	463,975
Paterson	101,591	174,291
Philadelphia	4,289,070	3,462,665
Pittsburg	1,011,937	958,593
Portland	1,374,940	847,080
Rochester	741,538	550,336
St. Louis	1,363,066	1,976,350
Salt Lake City	247,400	443,400
San Francisco	2,134,479	2,334,790
Scranton	227,505	267,308
Spokane	153,500	403,020
Seattle	541,600	1,655,495
Toledo	254,385	159,397
Wilkesbarre	173,902	216,138
Worcester	379,092	281,227
Total	\$57,146,813	\$51,126,647

A Hollow Tile Cottage

The use of hollow clay tile for residence construction is rapidly sweeping over the country, and is meeting with merited approval wherever it has been used.

In this number we illustrate a hollow clay tile cottage recently completed on one of Tacoma's well known Gravelly Lake country places.

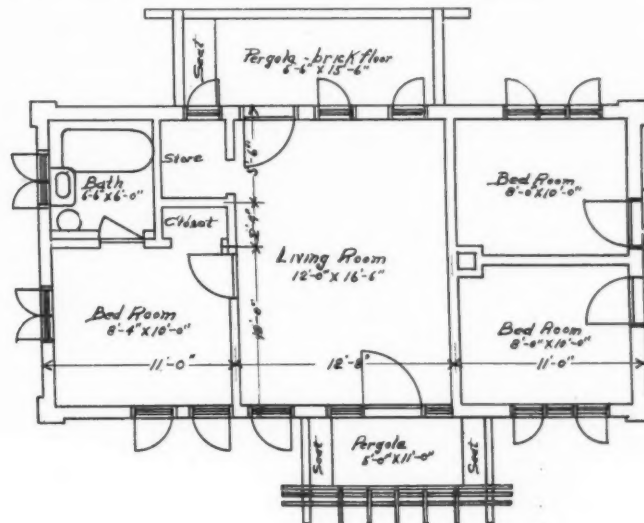


This attractive five-room cottage complete, ready to move into, cost \$1490. The foundation was built of 9x9x16 inch hollow clay building blocks; the first story of 4x8x16 inch hollow tile laid up into an 8 inch wall, and the gables are 4x8x16 inches, laid on edge into a 4 inch wall. The partitions are 3 inch tile. There is no basement, and the floors and roof are of wood. Contrary to the usual practice (which is less expensive) the tile is smooth on the weather exposed side, and is not stuccoed, being carefully pointed up. The reddish gray tile, white mortar and trim, and green roof makes a very harmonious color combination, set off by the oak grove in which the cottage is set.



The floor plan shows rather an unusual arrangement, two bedrooms being entirely without connection to the rest of the house. The cottage was built to house a farmer, his wife and two laborers, consequently the arrangement as shown. It has been found that this attractive design could be adapted to a cheaper house that would still be attractive and more roomy. Built in the city where a twelve-mile haul by traction line and a half-mile haul by team were unnecessary, the house could be built for \$1200, using six-inch tile walls, tile partitions and

stuccoed exterior. About \$100 additional would suffice to put on dormer windows and to finish up the second floor for occupancy. These costs show that the tile house is very little, if any, more expensive than frame. The pictures show that any attractive design can be worked up in tile satisfactorily, and the tile itself makes possible a form of permanent construction which is sanitary, warm in winter, cool in summer and moisture proof.



Taking all these things into consideration, it appears that through the use of hollow clay tile it is now possible, in spite of the comparatively low cost of lumber in the West, to build permanent houses at low cost.

The architects for this cottage were Messrs. Russell & Babcock, and the tile was furnished by the Far West Clay Co. of Tacoma, Wash.

Huge Statute Planned for Bay City Fair

A heroic statue as colossal as the Statue of Liberty in New York harbor, and as significant in art, as all the sculptors in the world will be invited to compete in designing it, will be erected on the headland of Lincoln Park, fronting the Pacific Ocean and Golden Gate, according to the plans of the Panama Pacific Exposition directors.

The purpose of the statue is to symbolize California's greatness to the world. It is expected that it will cost about \$600,000. It will be made of either bronze or cement.

The exposition directors say that artists from all parts of the country are enthusiastic over the plan and will compete with designs.

The First Iron Bridge

The first iron bridge ever erected in the world and which is in constant use at the present time spans a little river in the county of Salop, on the railroad leading from Shrewsbury to Worcester, England. It was built in the year 1778 and is exactly 96 feet in length. The total amount of iron used in its construction was 378 tons. Stephenson, the great engineer, in writing concerning it said:

"When we consider the fact that the casting of iron was at that time in its infancy, we are convinced that unblushing audacity alone could conceive and carry into execution such an undertaking."

The Importance of Finish Hardware

By C. G. JENNINGS

The item of finish hardware or builders' hardware, such as locks, butts and hinges, and which enters into the design and appearance of the building so much, to say nothing about the security employed by its proper use, is often little considered by the architects and owners.

Being a careful reader of different architectural editions, we have failed to notice an instance where this vastly important item has been given any place with the other details.

Only a short time ago it was thought impossible to make into metal a design other than plain flat plate, or possibly a slight bevel or scroll, and at that time it never seemed possible that the most minute detail of general architectural design of building could be worked into metal as it is today. The most delicate curve or effect can be produced in metal today that is used for the construction of locks, especially their exterior appearance that it is possible to bring out even with the brush. The average owner, builder or architect will, so many times, upon being asked their judgment about the design of the locks that should be employed on the home, answer: "Oh, give me anything plain." Or, still worse, making a selection that does not conform with the idea or architectural effect of the building at all.

Today it is possible to secure a coupling of glass with the metal which makes a very pretty combination for door trim as well as substantial. Glass knobs are often employed with the plate escutcheons, but more frequently where glass knobs are used they are connected to the locks by roses instead of the plate escutcheons and a small key plate is employed to give the proper effect. Glass knobs can be had in as many varieties as glass is used in any of the arts.

The unanimous use of brush brass or old brass causes practically 75 per cent of the sales to be made in that finish. The recent popularity of Mission or Colonial design has caused plain bevels or curved lines to be selected to match that particular design.

From the bungalow builders which have gained such popularity in Southern California we have a demand for large handle or latch sets, often designed in some such quaint artistic way as is suggested by the ancient work of the Aztecs. The main idea of these designs seems to be plain with odd shaped etchings, which although worked in regularly on the plate are each of a different size, so that no two etchings are alike.

The plainer lines of finish hardware are gradually giving way to designs having the cold hard lines of the plain goods, but with some decorations in the top and bottom of the escutcheons.

Since finish hardware is the "jewelry of the home," it adds more to its exterior and interior appearance than any other item. Let us be more careful in our selection of same, and look not so closely to the item of cost that we will hesitate to put \$50 into good substantial hardware when we have gone so far as to pay out \$5000 for other materials.

Bacon Will Design Memorial

Henry Bacon of New York has been selected by the Federal Fine Arts commission as designer and artist for the \$2,000,000 memorial to Abraham Lincoln in Potomac Park, Washington.

The Bonding Company Responsible

Among contractors and architects the question is often heard, "Can he get a bond?" and in nine cases out of ten the answer will be in the affirmative, regardless of the fact that the contractor referred to has bid a price so much lower than the next bidder that his bid is absolutely unreasonable. And yet he can get a bond. Why? Because the majority of the bonding companies will take a chance and write a bond without investigation, regardless of the financial and physical responsibility of the contractor whom they are bonding. What is the result of this chance or gamble? Let us take one case out of the many which are happening every day.

To begin with, a man wishes to improve a piece of property with a building for which he is willing to pay \$150,000. He goes to his architect and gives him his idea of what he wants, the architect is guided accordingly and plans the building to cost not more than \$150,000.

Upon completion of plans various contractors are invited to bid on the work and a certain time set for opening the bids. And at the time set, as a general rule, you will find an average of three to ten representatives of bonding companies present. The bids are opened and they range in price from \$112,000 to \$168,000, the low bidder being \$25,000 to \$30,000 below the next bidder and the owner feels highly elated over the fact that he is going to save approximately \$35,000 on his building. He says to himself: "I am protected. One of the requirements of the specifications is that the low bidder must furnish a bond in some responsible bonding company for at least 50 per cent of the contract price." But wait, the owner has something coming.

After the bids have been opened and read the low bidder rushes back to his office and checks over his estimate to see what he has left out, but it is too late now and he has a certified check for 10 per cent of his bid in the hands of the architect as a guarantee that he will furnish a bond and meet all the requirements of the specifications. But what is he going to do? He can not afford to forfeit his check, and he has only a short time in which to make good. This predicament is causing him a great deal of worry and anxiety when the representative of the bonding company comes in. Mr. Representative introduces himself and states that he understands Mr. Contractor is the low bidder for the building and his company would be very much pleased to execute the surety bond. While he is talking Mr. Contractor says to himself, "Here is a way for me to save my check, and maybe I will be able to squeeze through and break even, and if this company will write the bond I will take a chance. At any rate, it will give me something to do."

The application for the bond is made and the bond executed, the company taking cognizance only of the fact that the contractor had put up a certified check for 10 per cent of his bid, and therefore must be responsible. The contract has now been awarded and the building is rushed through to completion, the final inspection made, certificate issued and the building turned over.

And now the owner comes in for his share. A few days after the building has been turned over to him he is called upon by a material man who presents a bill for material delivered and used in the building. The owner refers Mr. Material Man to his architect. A sub-contractor presents a bill for the final payment on his contract and he also is referred to the architect, and these are followed

by others, all of whom are referred to the architect and by him referred to the general contractor. But they have been to him and can get no satisfaction. He can not pay these bills because he either lost money or broke even, which is the same thing.

The result is that liens and suits are commenced, and the bonding company will attempt to evade the issue as long as possible on technicalities and the fact that changes were made during construction which causes the owner considerable worry and in the end considerable money. He discovers upon investigation that he has a poorly constructed building; he finds he has inferior material and workmanship throughout, but he has got just what he paid for. Some people may say there is no occasion for this, as the architect represented the owner and should have seen that the work was done in accordance with the specifications, when the facts of the matter are that the architect advised him in the first place to pay a little more money, let the contract to a responsible contractor and get a better and more satisfactory job, but the owner could not get away from the fact that he was saving approximately \$30,000 or \$35,000. In the first place, he was willing to spend \$150,000, and before he gets through with his liens and suits his building has cost him a good deal more.

To sum up, had the bonding company made a thorough investigation of the contractor, not alone as to his financial responsibility but also as to his capability to handle a contract such as he had undertaken, they would have saved themselves, as well as the owner, contractor and the architect, considerable time and money, but the facts are that the majority of the bonding companies will gamble at long odds, to get the premium, which in the end is only a mere pittance.

Experiences of this kind have a tendency to work a hardship on the building business and everyone connected with it.

Dock Engineers Secured

It has been announced by the Public Docks Commission that C. W. Stanniford, E. P. Goodrich and William J. Barney of New York City, reputed to be capable harbor and terminal engineers, have accepted propositions made to plan the proposed local public docks system. It is said that as soon as \$50,000 of the \$2,500,000 bonds authorized are disposed of the engineers will begin work.

It is planned to have the engineers act as a board of consultation, and they will look over the field and, armed with the harbor survey and other data, will return to New York and there decide finally on the undertaking, forwarding plans and specifications to the commission.

Mr. Goodrich was formerly in the navy, having the rank of lieutenant, junior grade, and was assigned to quay, dry dock and other work in New York harbor. He served four years and resigned to take up special work. He constructed the Bush terminals in South Brooklyn. He is with the Jamaica Bay Improvement Company. Mr. Stanniford is chief engineer of the Department of Docks and Ferries of New York and has held the post ten years. He has designed important work undertaken by that municipality. Mr. Barney is deputy commissioner of the same department, and both studied European harbors a year ago in the interest of New York City.

Of Personal Interest

Potter & Merrill, of Tacoma, have opened a local office at Centralia, Wash., with J. M. Hitchcock in charge.

E. J. Baum, formerly with Jacobberger & Smith, with his brother, W. H. Baum, sailed for London on the 19th inst., where they expect to put in two years studying.

L. F. Brayton and W. N. Clist, formerly with the Stone & Webster Company, have formed a general engineering and contracting company.

E. E. McClaran has returned from his extended Eastern trip.

H. A. Dunkle, a former Spokane contractor, is now associated with the Warren Construction Company.

T. M. Hurlburt, former Assistant City Engineer, has been named as City Engineer by Mayor Rushlight.

J. M. Dugan, of the Sound Construction Company, Seattle, was a recent Portland visitor.

The warm weather was too much for the members of the Spokane Architectural club. The course of lectures which were to have been continued through the summer months have been postponed to the fall.

The Oregon State Board of Health has appointed Louis C. Kelsey Civil and Hydraulic Engineer, in an advisory capacity in matters relating to municipal water supply and sewerage construction.

The City Council of Corvallis has entered into a contract with City Engineer Beardsley for one year at a monthly salary of \$150.

Frank C. Kelsey, 1200 Yeon building, has returned from Tacoma, where he prepared the plans for the municipal power plant and the gravity system for that city at an estimated cost of \$2,000,000. Mr. Kelsey makes a specialty of hydraulic and municipal engineering and water plants.

Edward Taylor, Sales Manager for the Fort Wayne Engine and Manufacturing Company, of Fort Wayne, Ind., has opened an office at 804 Spalding building.

M. Malcolm, Manager of the Vancouver Hardwood Floor Company, of Vancouver, B. C., was a recent visitor to Portland.

Charles G. Badgley, architect, White building, Seattle, has opened an office at 319 Pender street, Vancouver, B. C.

W. H. Fayle, Manager glass department of W. P. Fuller & Company, has been on the sick list for the past three weeks.

George B. Van Waters, Vice President of the Hester System of store front construction for the Pacific Coast, visited San Francisco, Los Angeles and San Diego during the month of July. He reports business conditions in California improving with promising future. San Francisco, with her strategic position and indomitable determination, will make her record. Los Angeles is growing in every direction and growing substantially. San Diego is entering upon an era of prosperity. Before long she will be connected with two transcontinental lines, is putting herself in communication with the Imperial valley and is developing her water system. These things, together with her excellent harbor, which will be the first port of entry from the Panama canal, vindicate her hopefulness and expectancy.

Mayor Rushlight has appointed David L. Williams, Richard Martin, Jr., and E. E. Angel a committee to revise the new building code.

(Continued on Page 200)

Lumbermen to Combat Steel and Cement

At the recent convention of the Western Pine Manufacturers' Association held at Spokane the early part of the month considerable time was used in the consideration of ways and means of combating steel and cement as building materials.

Secretary Cooper of the association read some statistics showing the inroads made in eastern states by other materials in supplanting lumber as a necessary article in construction work, and the growth of this substitution is what the lumber men seek to combat.

The question of substitutes for lumber and how best to combat them was the subject of a paper by Everett G. Griggs of Tacoma, President of the Pacific Coast Lumbermen's Association.

He favored the adoption of some plan of advertising as the best means of combating this inroad into the business. The discussion lead to a review of the manner in which the retail business is handled, particularly in the east, and much of the trouble of the lumber manufacturers was laid at the door of the middlemen.

Griggs favored the levy of an assessment of \$100,000 on the lumber industry of the country to combat the steel, cement and paper men, who have been pushing their wares at the expense of lumber.

J. P. McGoldrick favored the idea of an advertising campaign, but believed that before any action is taken by the association the matter should be submitted to all of its members. This plan was adopted and the secretary was instructed to get an expression from the members and report back at the next meeting.

President Hawksett said that the western lumber dealers had gone to sleep, as it were, and gave the retailer a full rein in dealing with the consumer. He believed the retailer had then grown too strong in his demands for profit and that this had caused much of the substitution of other materials for lumber.

"In the middle west they are telling that the lumber industry is giving out, when, as a matter of fact, the industry is but as yet in the infancy of its development," said the speaker.

Kenneth Ross of the lumber department of the Anaconda Copper Mining Company, believed in the idea of the Standard Oil Company, which guards its own retail field. He told of the case of the Coast lumber dealer selling his product at \$18 per thousand and afterward seeing the same retailed to the farmers of North Dakota by an enterprising retailer at \$45 per thousand. Ross said that the only thing to do was for the lumber manufacturers either to regulate the middlemen or go into the retail field themselves.

E. F. C. Van Dissel, Spokane, said that the lumber manufacturers are not the rulers of the industry, but rather are ruled by the retailers, who, he asserted, are at present masters of the situation. On his motion, the chairman appointed a committee consisting of Kenneth Ross, B. E. Willis and C. P. Lindsley to see what could be done in better regulating the retail lumber business.

President Griggs of the National Association made a plea in behalf of curtailing the output of the mills of the Inland Empire, as is being done by the manufacturers on the Coast. He said that the Inland Empire mills had a stock of 25,000,000 feet greater than a year ago and that in the Kalispell district the stock is 7,000,000 larger than a year ago.

Lumbermen who attended the meeting were:

R. M. Hart, Blackwell Lumber Company, Coeur d'Alene, Idaho.
 A. C. White, A. C. White Lumber Company, Laclede, Idaho.
 G. Myers, Dover Lumber Company, Dover, Idaho.
 B. H. Hornby, Dover Lumber Company, Dover, Idaho.
 P. M. Lachmund, Potlatch Lumber Company, Potlatch, Idaho.
 R. G. Keizer, Panhandle Lumber Company, Spirit Lake, Idaho.
 F. A. Schultis, Bonners Ferry Lumber Company, Bonners Ferry, Idaho.
 E. F. Cartier Van Dissel, Sawmill Phoenix, Spokane.
 A. M. Rogers, Blackwell Lumber Company, Coeur d'Alene, Idaho.
 H. M. Strathern, Post Falls Lumber and Manufacturing Company, Post Falls, Idaho.
 C. H. Fancher, Milwaukee Land Company, Spokane.
 B. F. Pierce, Winslow Lumber Company, Winslow, Wash.
 J. P. McGoldrick, McGoldrick Lumber Company, Spokane.
 B. E. Willis, Fidelity Lumber Company, Newport, Wash.
 A. L. Flewelling, Milwaukee Land Company, Spokane.
 G. U. Bacon, Craig Mountain Lumber Company, Spokane.
 Kenneth Ross, A. C. M. Company, Lumber Department, Bonner, Mont.
 F. L. Soare, Hope Lumber Manufacturing Company, Hope, Idaho.
 E. O. Hawksett, Panhandle Lumber Company, Spirit Lake, Idaho.
 E. Enoch, Standard Lumber Company, Deer Park, Wash.
 J. P. Reardan, McGoldrick Lumber Company, Spokane.
 J. P. Knapp, forest service, Portland, Ore.
 P. R. Hicks, forest service, Missoula, Mont.
 Harold R. Morse, Harold R. Morse Company, New York City.
 K. L. Frazer, Spokane.
 Everett G. Griggs, St. Paul and Tacoma Lumber Company, Tacoma, Wash.
 B. F. Cole, Lumber Review, Kansas City, Mo.
 J. E. Fredrickson, chief inspector, Spokane.
 George M. Cornwall, the Timberman, Portland, Ore.
 F. H. Gilman, American Lumberman, Seattle, Wash.
 C. P. and E. A. Lindsley, Carbolineum Treating and Paving Company, Spokane.
 E. A. and C. P. Lindsley, the Lindsley Prothers Company, Spokane.

An Interesting Ruling

Judge Harris, of Eugene, recently made a ruling which will prove of interest to the building trades. The suit of J. J. Stines, of Portland, against the Gamma Delta Gamma Sorority was won by the contractor.

An interesting point in the case was the dispute over the hardwood floor, wherein it was decided that 1/2-inch flooring was all the same as 3/4-inch flooring, according to custom. This will establish a precedent for future cases. It seems that half-inch flooring was laid in the sorority house when the contract specified 3/4-inch boards. When boards are planed an eighth of an inch is removed, and in order to have the contract specify the 3/8-inch boards, it would have been necessary to have specified "3/8-inch full."

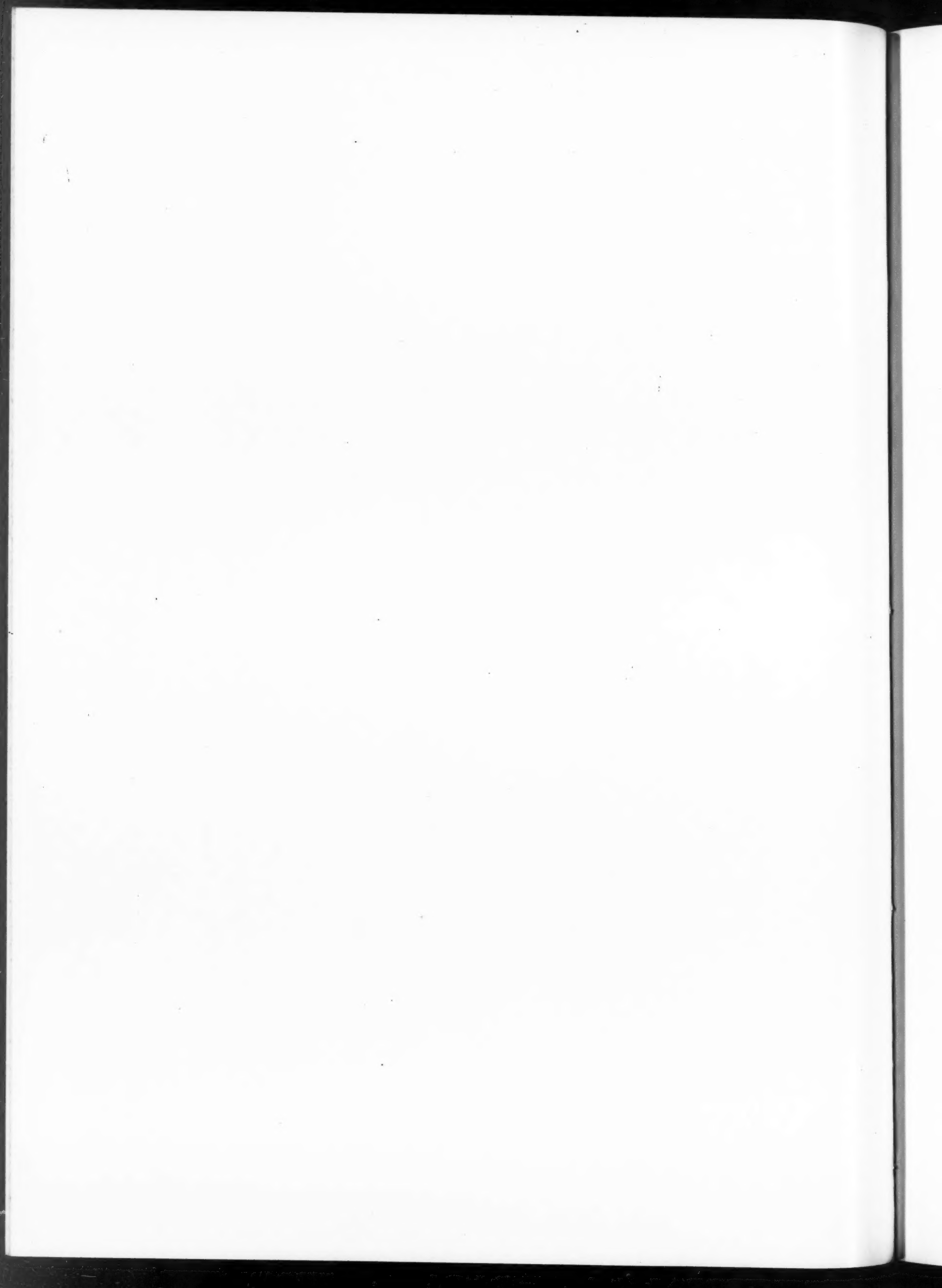


Front Elevation, Residence for Mr. J. D. Tresham
Mr. D. L. Williams, Architect, Portland



Living Room, Residence for Mr. J. D. Tresham
Mr. D. L. Williams, Architect, Portland

PACIFIC COAST ARCHITECT
AUGUST, 1911



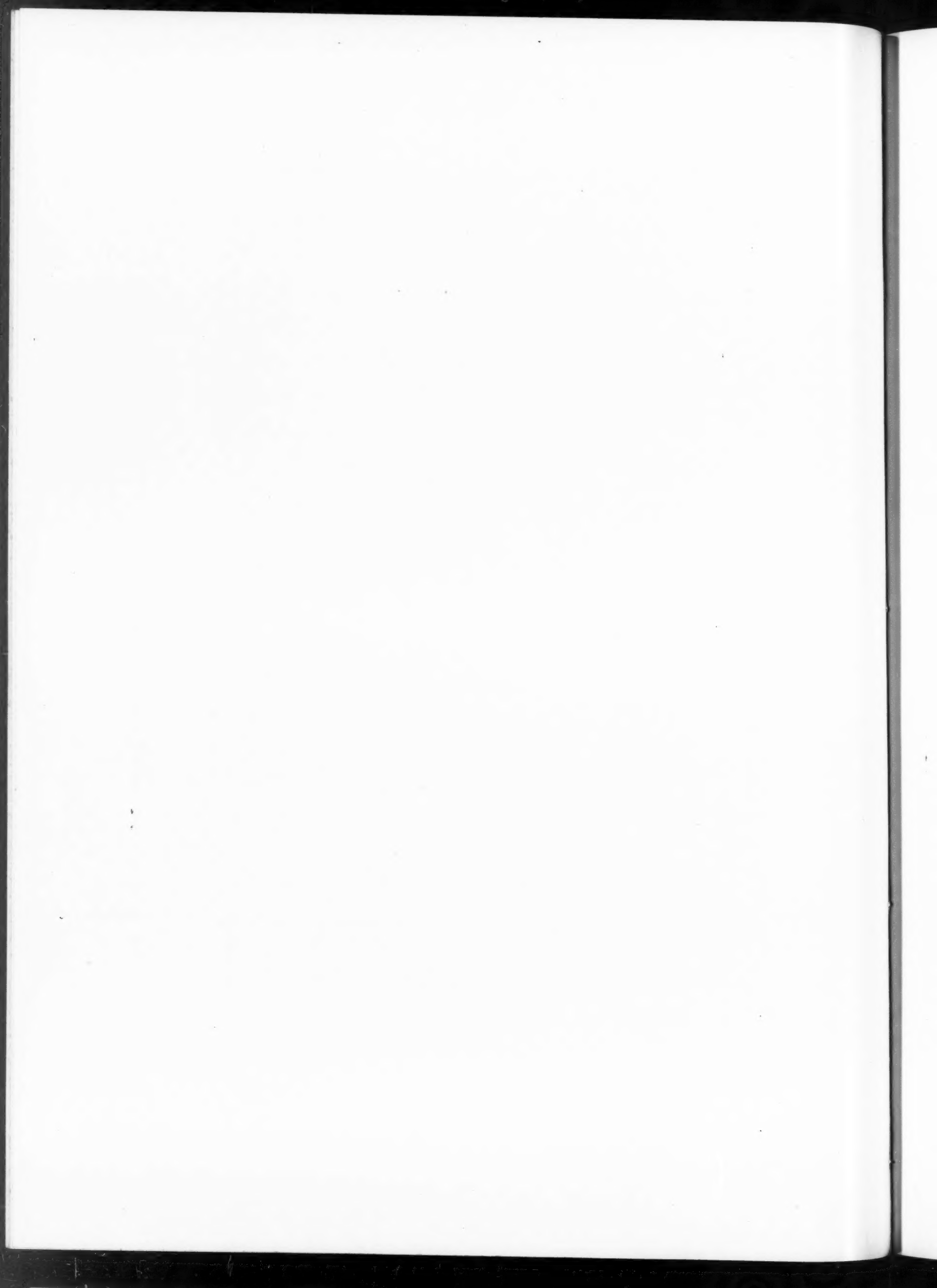


Side Elevation, Residence for Mr. J. D. Tresham
Mr. D. L. Williams, Architect, Portland.



PACIFIC COAST ARCHITECT
AUGUST, 1911

Side Elevation, Residence for Mr. H. A. Conner
Mr. Ellis F. Lawrence, Architect, Portland.



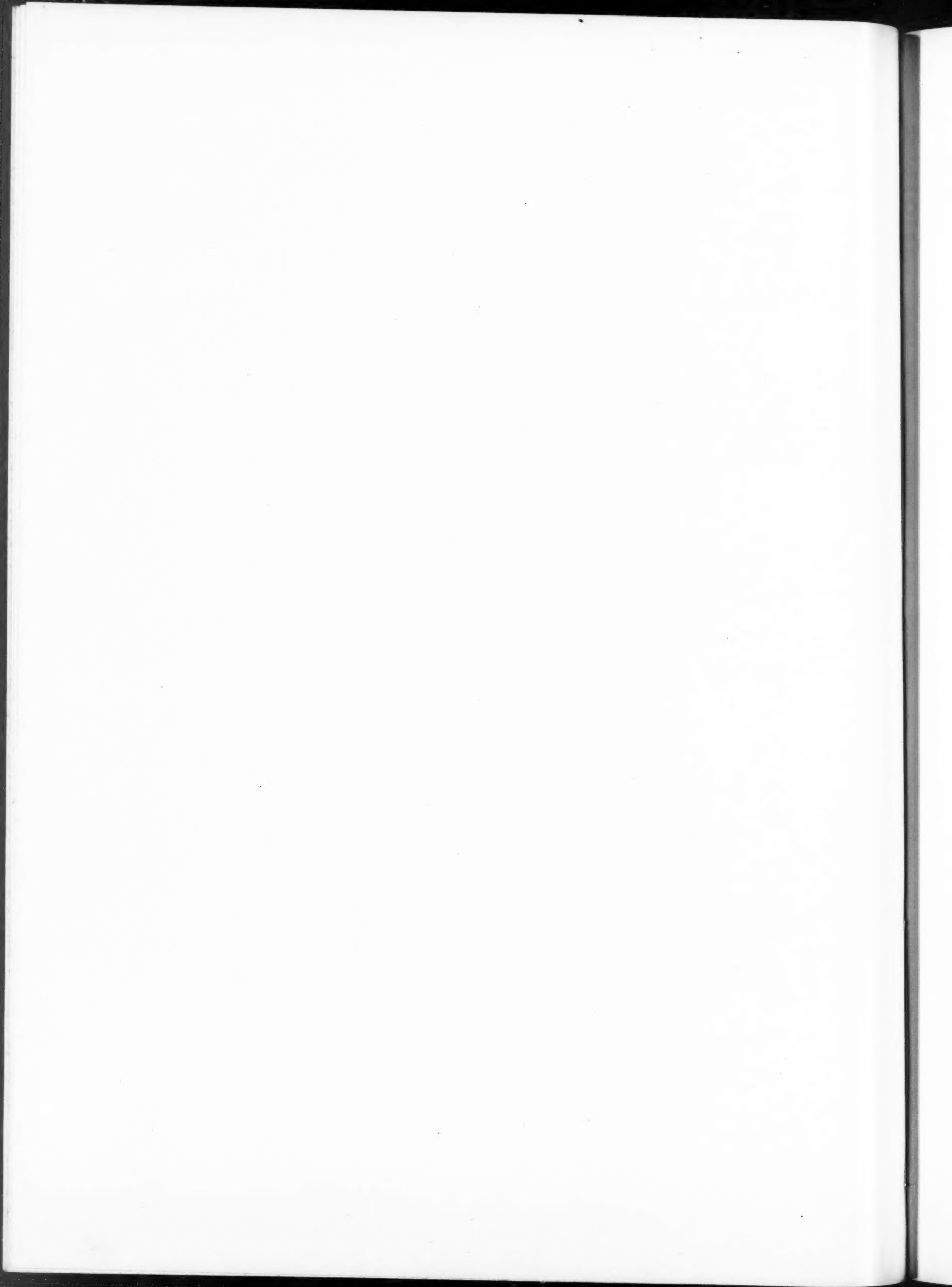


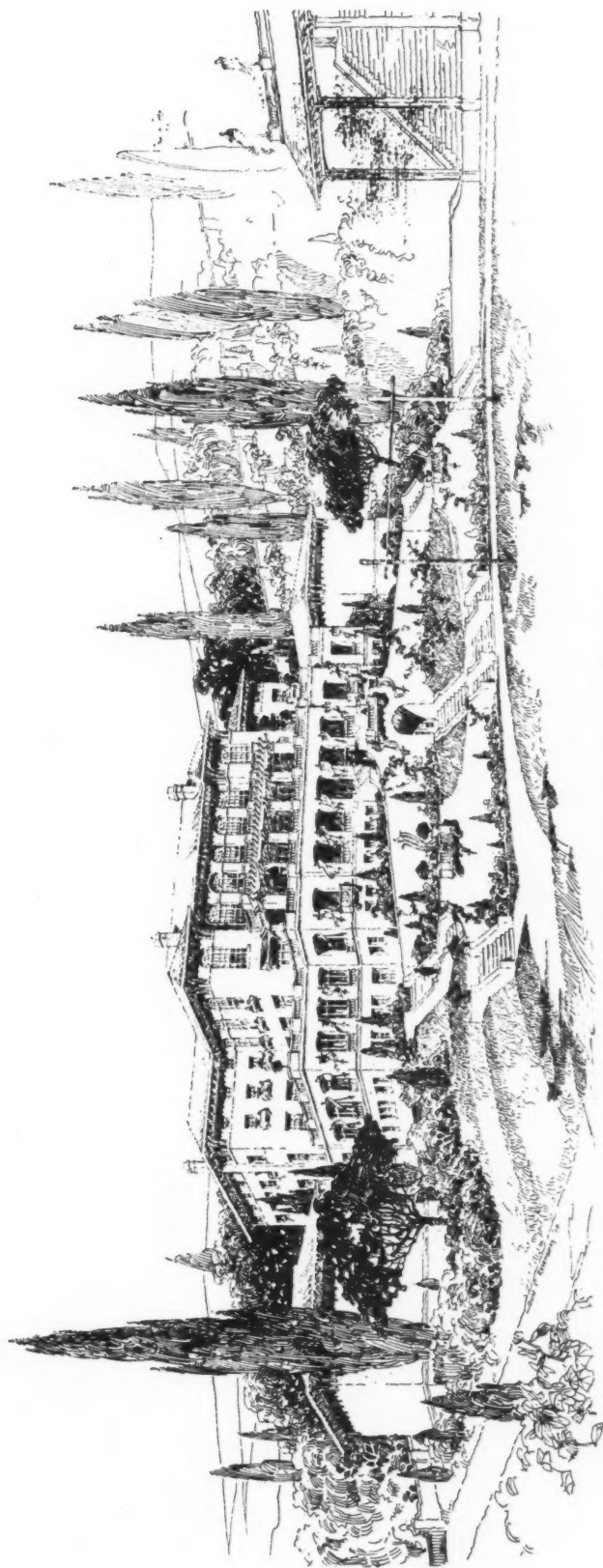
Living Room, Residence for Mr. H. A. Conner
Mr. Ellis F. Lawrence, Architect, Portland.



PACIFIC COAST ARCHITECT
AUGUST, 1911

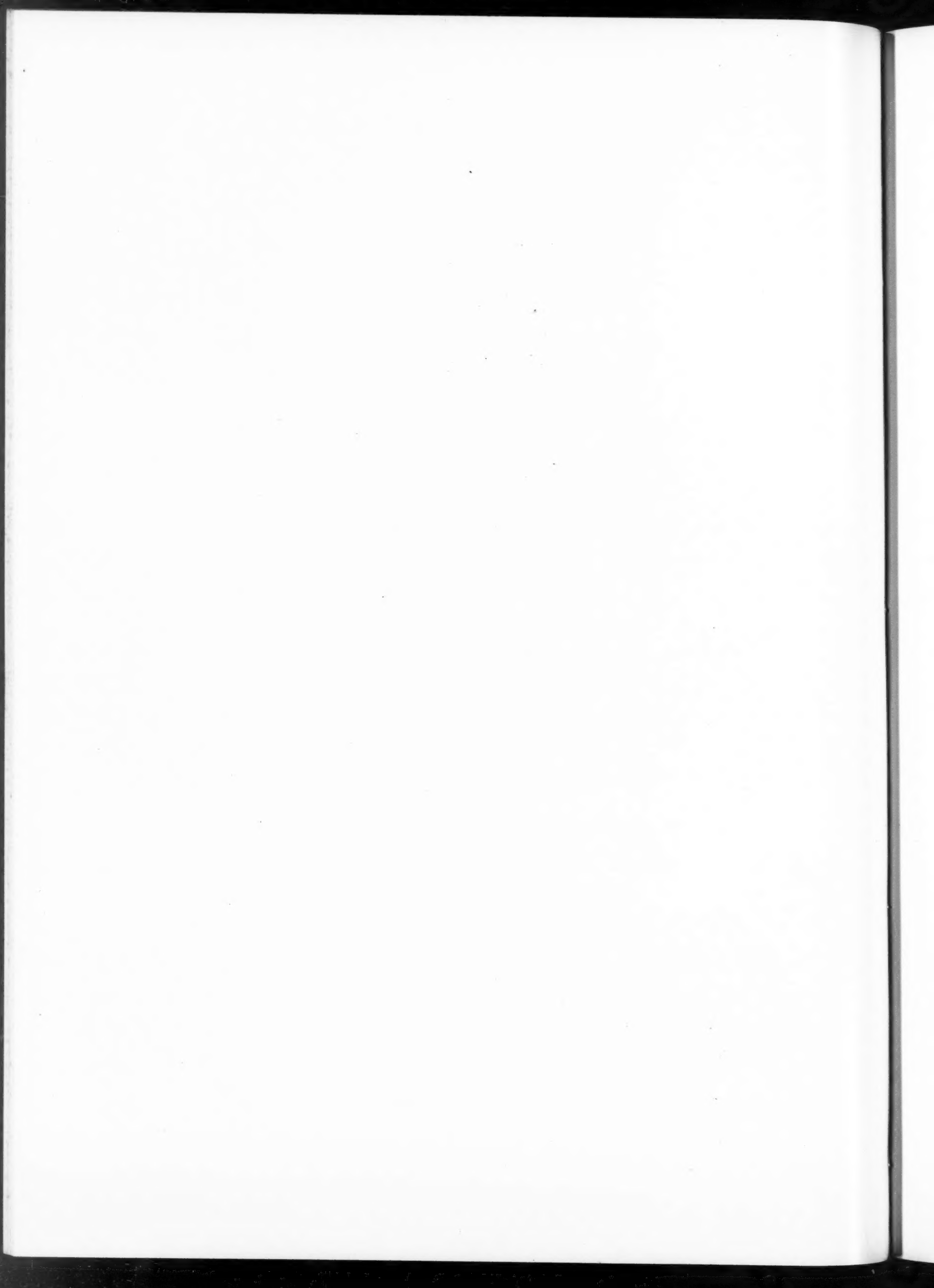
Dining Room, Residence for Mr. H. A. Conner
Mr. Ellis F. Lawrence, Architect, Portland



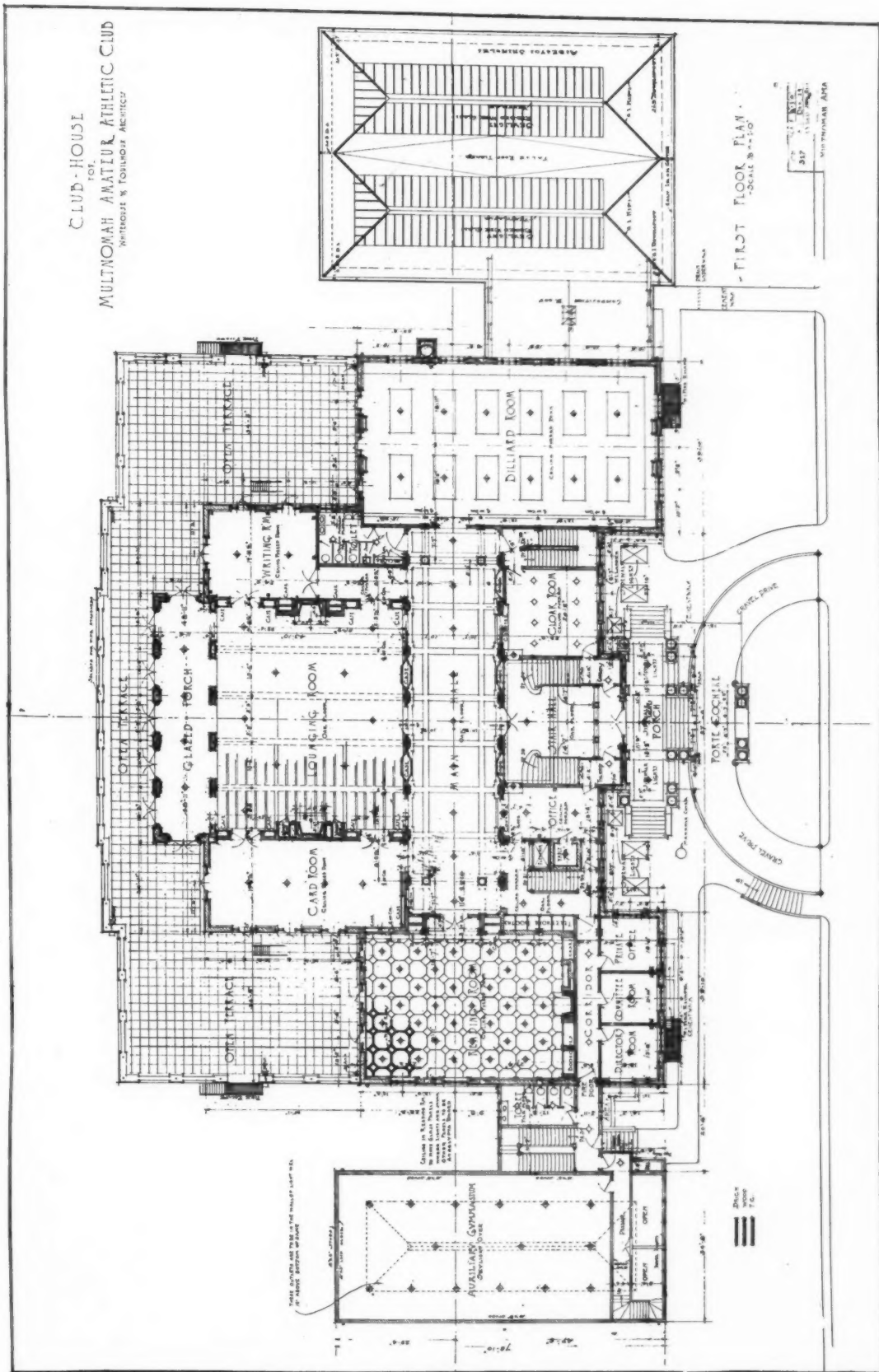


Club House, Multnomah Amateur Athletic Club
Whitehouse & Foulhoux, Architects, Portland

PACIFIC COAST ARCHITECT
AUGUST, 1911



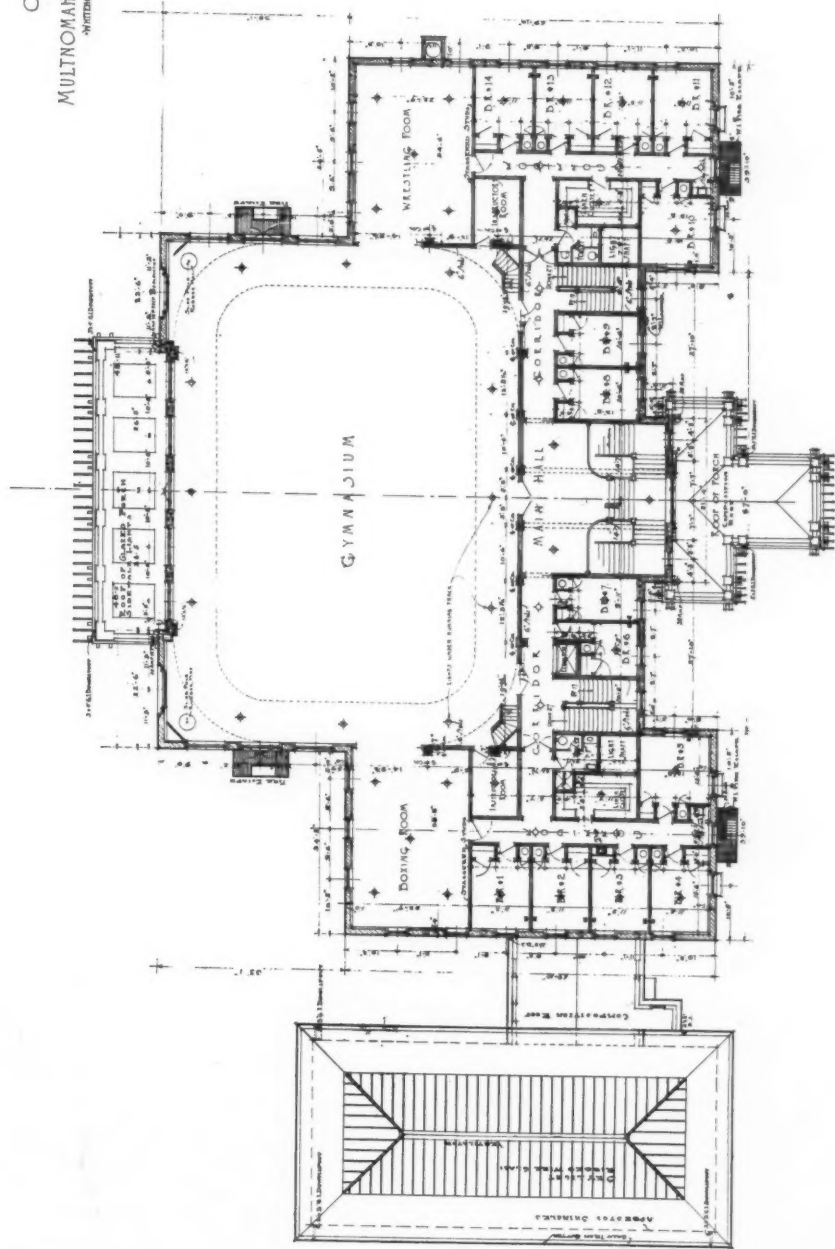
CLUB-HOUSE
OF
MULTNOMAH AMATEUR ATHLETIC CLUB
WHITHOUSE & FOULHOUX ARCHTCS



First Floor Plan, Club House, Multnomah Amateur Athletic Club
Whithouse & Foulhoux, Architects, Portland

PACIFIC COAST ARCHITECT
AUGUST, 1911

CLUB-HOUSE
FOR
MULTNOMAH AMATEUR ATHLETIC CLUB
WHITEHOUSE & FOULHOUSE, ARCHITECTS



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

Note: All data on this floor to be 21'6" unless otherwise marked

Second Floor Plan, Club House, Multnomah Amateur Athletic Club
Whitehouse & Foulhouse, Architects, Portland

PACIFIC COAST ARCHITECT
AUGUST, 1911



Front Elevation, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland

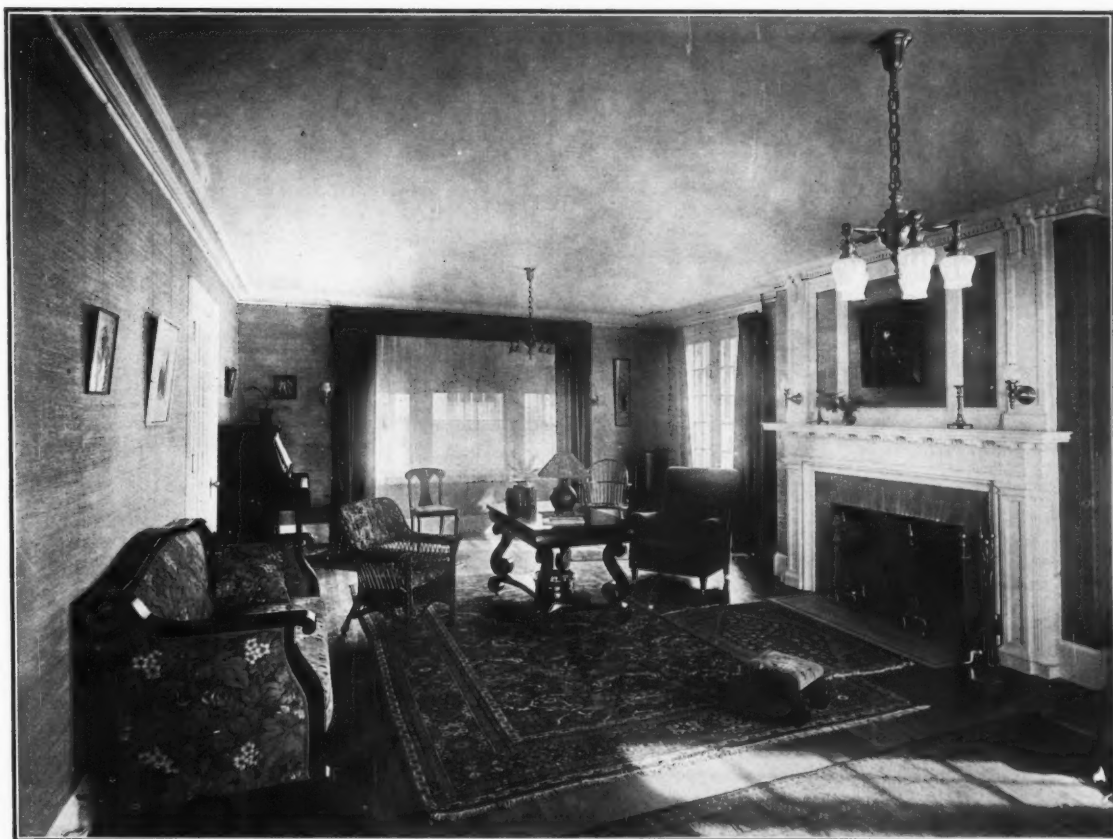


PACIFIC COAST ARCHITECT
AUGUST, 1911

Stairway, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland

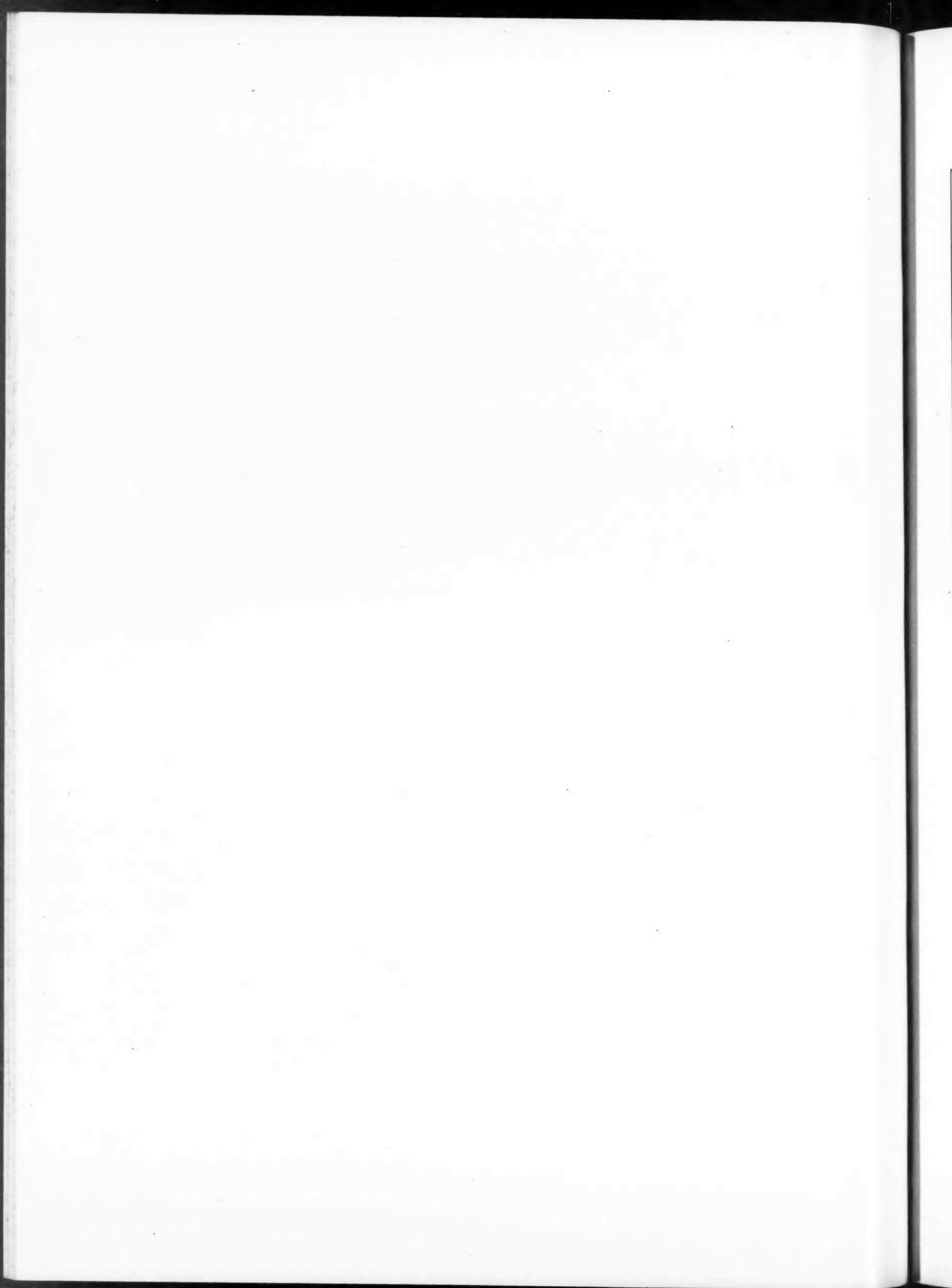


Corner of Library, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland



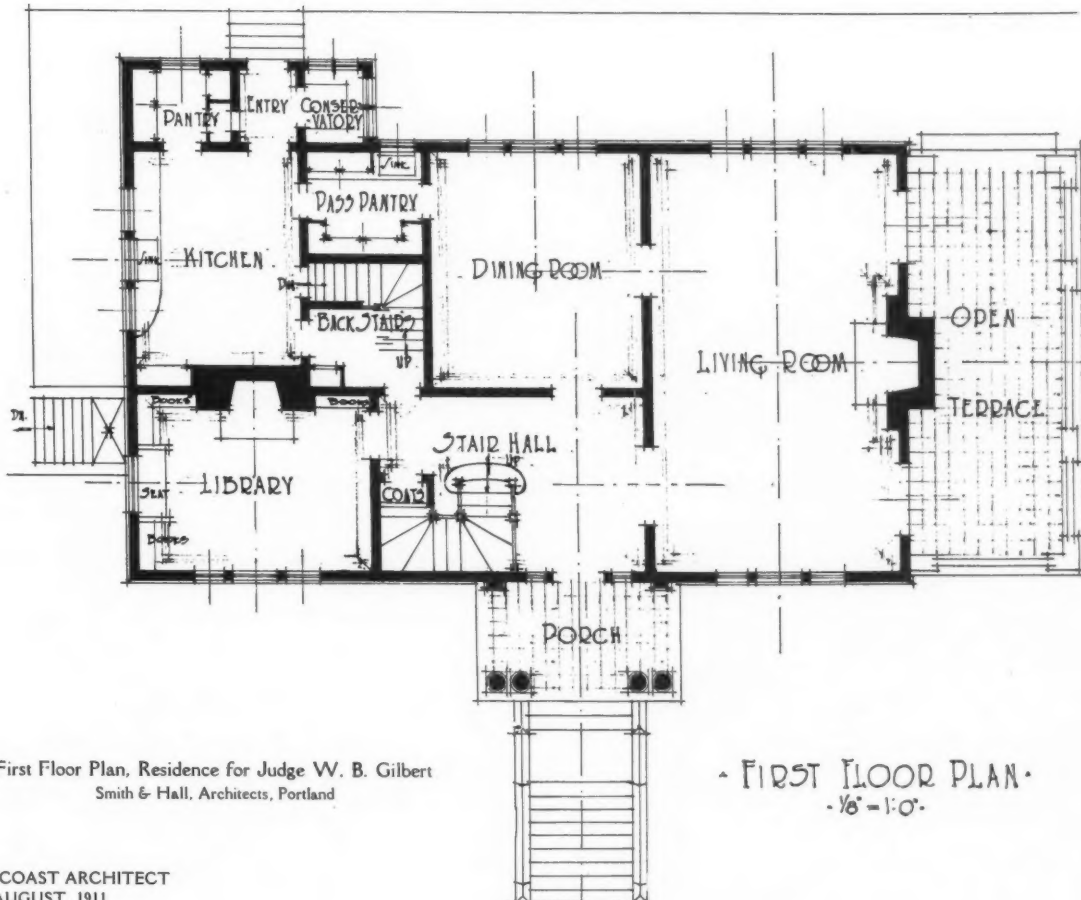
PACIFIC COAST ARCHITECT
AUGUST, 1911

Living Room, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland





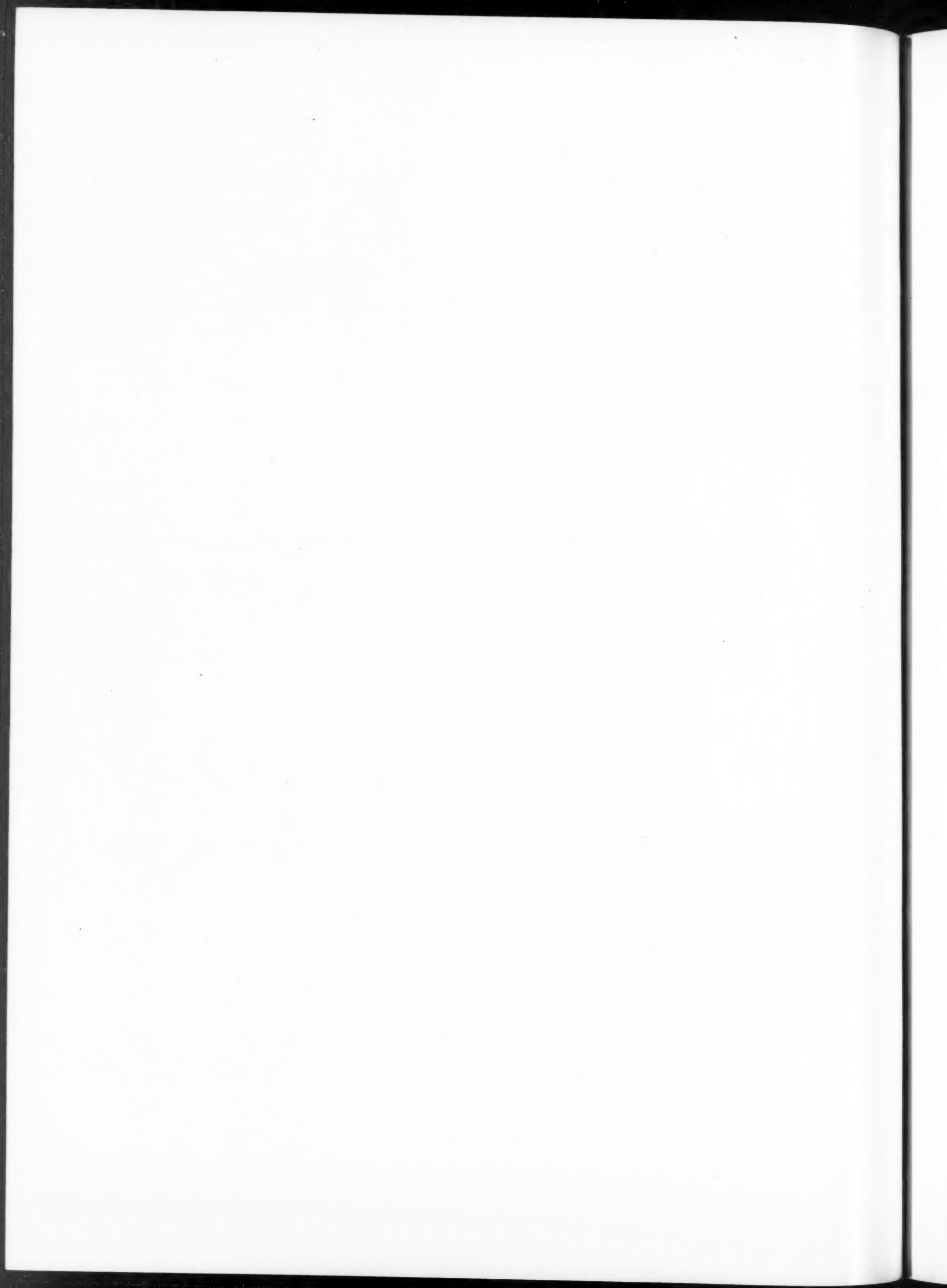
Dining Room, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland



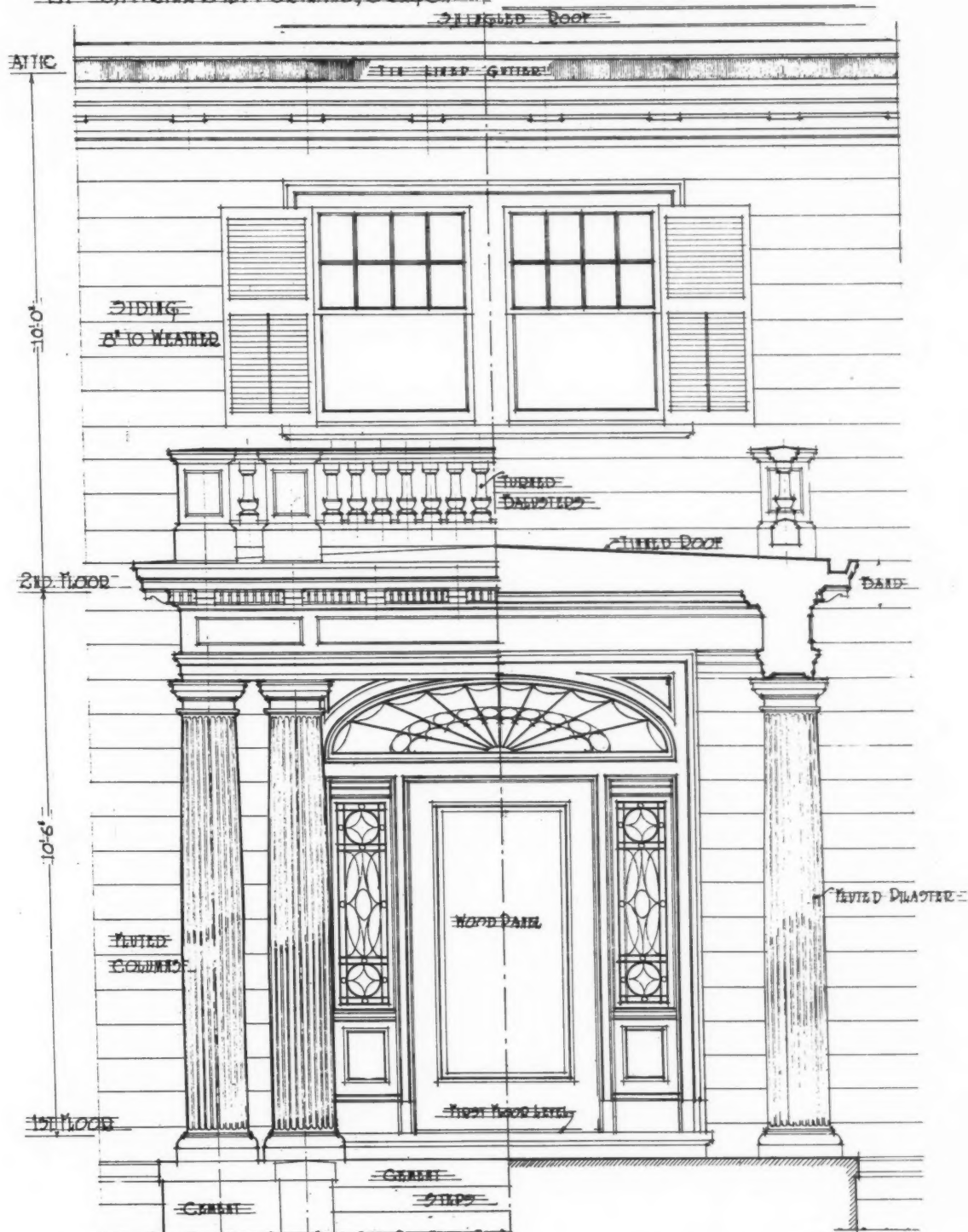
First Floor Plan, Residence for Judge W. B. Gilbert
Smith & Hall, Architects, Portland

• FIRST FLOOR PLAN •
• 1/8" = 1'-0" •

PACIFIC COAST ARCHITECT
AUGUST, 1911



RESIDENCE FOR JUDGE W. B. GILBERT
 21st & MYRTLE STS. PORTLAND, OREGON



ONE HALF ELEVATION

ONE HALF SECTION

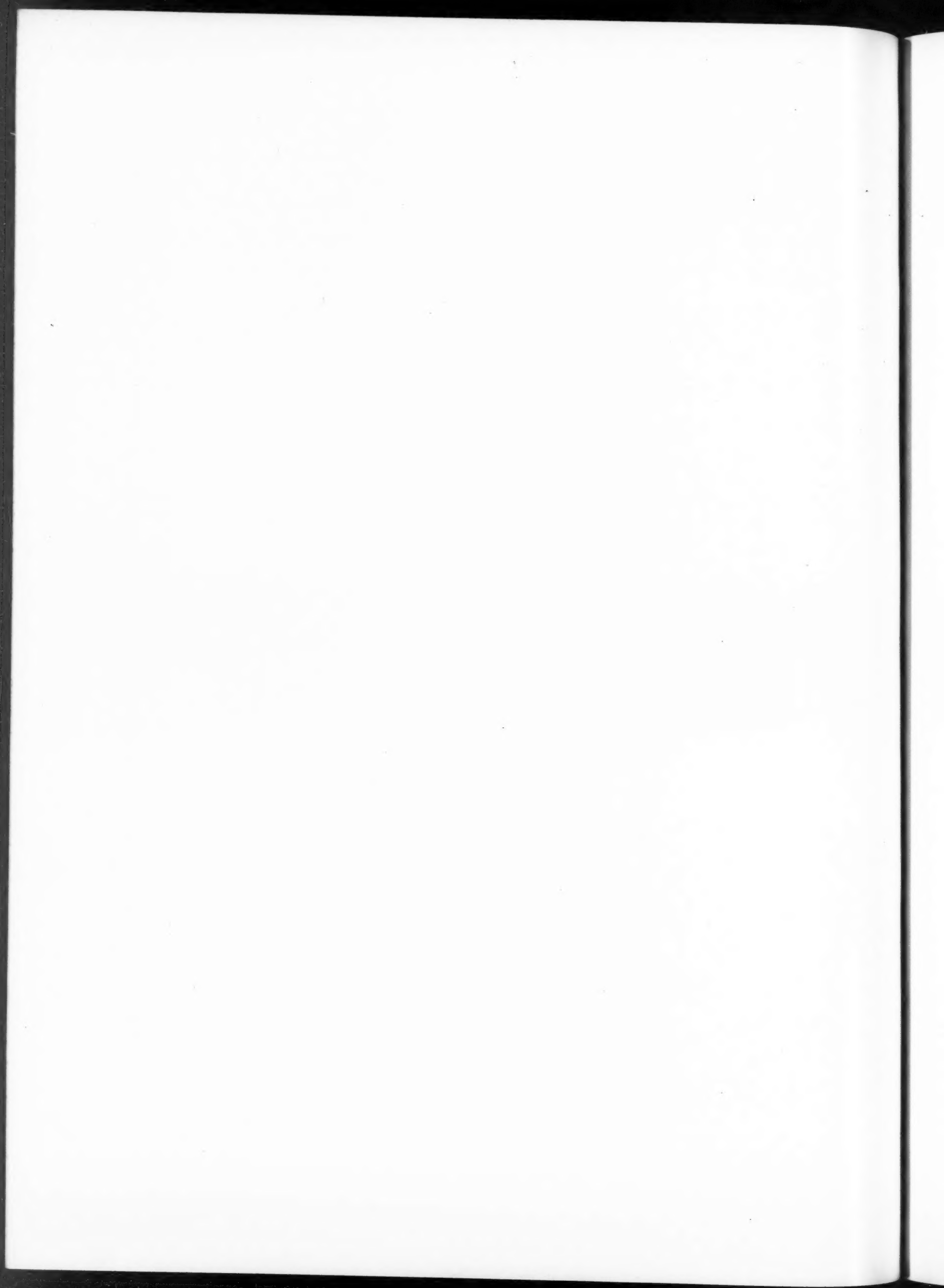
FRONT PORCH DETAILS

SCALE 3/4" = 1'-0"

SMITH & HALL ARCHITECTS
 PORTLAND, OREGON

Front Porch Detail, Residence for Judge W. B. Gilbert
 Smith & Hall, Architects, Portland

PACIFIC COAST ARCHITECT
 AUGUST, 1911



The Evolution of the Bed, Its Modern Development and the Bedroomless Future

By S. B. COOKE

Modern civilization seems to be laboring in the direction of bringing humanity into closer contact, requiring (as progress goes on and land values become higher) more and more compact quarters in which to live. This condition at its best is deplorable, but modified greatly by the many new customs and numerous unique improvements.

It has been said "Necessity is the mother of invention," and when one considers the crude methods in vogue a few years ago, with humanity struggling to successfully meet and attempting to overcome the variety of inconveniences, the growing unhealthfulness and the numerous difficulties rapidly created by a constantly increasing congestion of city life, then it is not astonishing that the old proverb should apply itself in this line with force and put into activity the mechanism of gray matter enveloped by the human cranium to solve and conquer the demands of new and ever-changing conditions.

To illustrate this statement and to demonstrate the



DURING THE DAY

tremendous strides made in one decade and the great application of mentality required in all avenues of improvement in the field of development (working out the innumerable details in the different departments) before a degree of perfection could be attained, draw a picture in the mind's eye of a city of high buildings crowded together and remove from it all modern improvements—the sewer system, the plumbing and plumbing fixtures, the modern sanitary precautions, the elevator, the street railway, the gas and electric lights, the modern paved street, the steam heat, with numerous other improvements; it is then seen at once that such a city at the present time would be unfit for human habitation.

While, on the other hand, in spite of being crowded, the modern city abode with all its improvements (compared with the scattering method of a few years past) is destined (if cities continue to exist) to be quite as healthful, exceedingly convenient and very desirable, with the same amount of elegance, the labor and expense of maintenance reduced to minimum, besides enabling people to live closer to business centers, houses of worship, theaters, etc., yet occupying perhaps less than one-half the space of the average home of a few years past.

The writer, however, does not argue in favor of deserting the rural life; on the contrary, it is reasonably demonstrated to be the natural and the best, but the ambition of a majority seems to lead them to an adoption

of the more artificial surroundings; as yet there seems to be no indication of the turning of the tide in this respect, and until such a time the cities will continue to grow larger and larger and, consequently, living apartments crowded into still smaller and smaller space; it naturally follows in this, as in all else, that the supply will be governed by the demand.

The problem of transportation has been solved; the problem of sanitation is under control; the difficulty of stair-climbing has been eliminated by the elevator; while last but not least of the important problems to be solved was the condensing of the home and the cumbersome flat without sacrificing comfort, convenience or elegance. The modern apartment house has come to the rescue, solving the problem of utilizing wasted space; in other words, the modern apartment house is one in which all the space is utilized all the time, and as this class of building generally occupies ground of high value, it should be laid out and so constructed that each piece of ma-



READY FOR USE

terial used brings its proportionate share of revenue to become a satisfactory investment.

This was impossible of accomplishment so long as a separate room in which to sleep had to be provided for every person, or every two persons, and for years experiments were carried on to overcome this seemingly insurmountable difficulty. In this, as in all other needs, ingenuity came to the rescue and a bed was invented that could be put out of the way and conveniently brought into the room or rooms ordinarily set aside for parlor or dining room, thus supplying the key to the situation, for by so doing each single room became as good as two, and hence each apartment require half the space to produce the same or better results, and the same sized building to produce from 25 per cent to 100 per cent more revenue, while the general health of the tenant is improved as the small, close, unhealthy back bedroom has been eliminated and the occupant is permitted to sleep in the largest and best ventilated room in the house, the parlor or the dining room. This is as it should be.

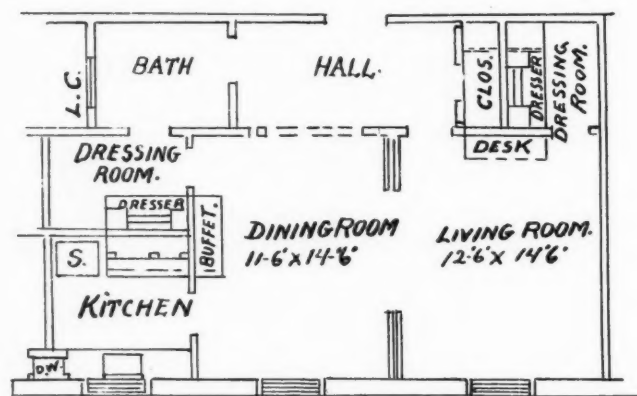
In the introduction of this system there were as usual a number of prejudices against the adoption of new ideas which had to be set aside; one by one, they have slowly died away until it resolved itself down to perfecting the disguise of the bed itself and making it convenient and easy to operate, and, in addition, providing a bed perfectly sanitary, subjected at all times to a current of fresh air.

In the invention of the disappearing bed it seems that every difficulty has been overcome, leaving it practically without criticism, not only from the standpoint of convenience, elegance and sanitation, but for economy of installation and utilizing heretofore wasted space.

The photographs illustrate the disappearing bed system—a sanitary bed ventilated by a continuous current of fresh air while not in use. This bed remains in a horizontal position, hence no lifting or pulling down from the wall is required, while with the slightest effort the bed is brought to any portion of the room (not being a fixture), thereby allowing the occupant without difficulty to sleep next to the window or the opposite side of the room, as may be desired. On arising the bed can be instantly rolled into the galvanized iron recess or box located underneath a closet, a bathroom or under a combination of fixtures, such as a cupboard in the kitchen and the buffet in the dining room, or dresser, writing desk and such like, thus taking up absolutely no valuable space, and when rolled into place it is so well disguised that there is no evidence of its whereabouts and the parlor, dining room or den is unmarred to fulfill its usual purpose.

The iron receptacle into which the bed rolls is dust and vermin proof and is connected with the outside air by one vent passing under the floor entering the recess under the bed, and another leading upward from the top of the recess between the studdings in the partition extending to the attic or roof, thus acting as a chimney drawing the air upward and sucking the fresh air in from the vent below, thereby the bed (as stated) is in a continuous circulation of fresh air.

By the installation of this bed a three-room cottage becomes as desirable and commodious as the ordinary five-room cottage, and a four-room cottage superior in accommodations to a seven-room, besides cutting down the housework and expense of furnishing from 25 per cent to 100 per cent, to say nothing of the cost of construction of building being reduced proportionately.



The plan shows a typical three-room apartment with two disappearing beds installed, making these three rooms equal in accommodation to a six-room flat, as it contains a double parlor, a single parlor, a dining room, two bedrooms, two dressing rooms, a kitchen, a private bath and a small reception hall, all in the space ordinarily taken up by three rooms.

Trade Notes

W. J. Bland, local manager for the Sherwin-Williams Company, has returned from a two weeks' trip to San Francisco.

Olson & Company have just completed 31 water cooling refrigerators for the Hollman apartments, Second and Montgomery streets. The company are now manufacturing a refrigerator for private residences which can be iced from the outside.

The Western Clay Company has recently acquired the Diamond Brick Company and the Washington and Oregon Sewer Pipe Company and will use the yard of the latter, Front and Couch streets, as a retail yard, where they will carry in stock for immediate delivery sewer pipe and all classes of brick.

The Stone & Webster Engineering Company of Seattle has discontinued its Portland office.

Clifford, Ross & Company have opened a sheet metal works at 271 Hawthorne avenue. They are making a specialty of heating and ventilating.

The Central States Bridge Company has opened an office at Boise, Idaho, in order to better take care of extensive work being done in that locality by the company.

The exhibition of face brick laid up in wall units and mantels by the Shope Concrete Products Company at their show room, 13 East Water street, is something new to the Portland trade. The many colors and designs possible make a wide range to select from and while this is strictly a concrete product, it is an entirely new departure from the semi-dry products, in concrete, using a wet mixture in the facing, as used on the top of a good sidewalk, thereby filling the voids and securing perfect crystallization, making it possible to erect a building with waterproof face brick—the requisite for a sanitary building in this climate.

The Imperial Waterproofing Company will open a small factory at the foot of Seventeenth street for the manufacture of their product. H. Young is the local sales manager.

The P. L. Cherry Company has issued a brick catalogue showing the different sizes, colors and shapes of brick carried in stock. A copy will be mailed you on request.

The Newcomb Engineering Company is the local agent for the L. A. Norris Company of San Francisco.

The largest single contract ever let in the City of Portland was awarded the Warren Construction Company. The amount of the contract is \$306,382.63 and is for the bitulithic pavement for Alberta district.

The Hessler Brick Company, located at 271 East Water street, has taken over the Perfect Brick Machine Company and will make a specialty of rock faced, plain and ornamental brick.

The recent reorganization of the Independent Sand and Gravel Company of Aberdeen, Wash., resulted in the election of Edward Spencer as President and Superintendent and L. G. Humbarger as General Manager.

The Kompolite Company of San Francisco has opened a Seattle office at 1158 Empire building, with H. S. Waterman in charge.

The Medford Builders' Supply Company of Medford, Ore., are now occupying their own building. The company make a specialty of office furniture and fixtures.

A very interesting machine is being introduced to building managers and contractors by the Western Sales

Company. It is an electrical device for grinding down terrazzo and mosaic floors, finishing hardwood and parquet floors and scrubbing and cleaning tile and marble. Two machines have already been placed and the above company looks for many sales to follow.

Nitschke & Andrae, sculptors and carvers, 161 Union avenue, North, furnished the models for the marble and metal work and the ornamental staff work on the east wing of the Multnomah County courthouse. They also have the contract for the ornamental staff work on the People's Amusement Company's new theater, Park and Alder streets.

The Lithic Manufacturing Company, formerly located in the Heilig Theater building, has moved to 625 Yeon building.

Geo. B. Van Waters, Vice President of the Hester Manufacturing Company, of the Pacific Coast, has returned from a month's business trip through California and reports very good business, having placed several large orders for Hester System of store fronts. Dawn & Company will act as Los Angeles agents and T. M. Torsen for San Francisco.

Columbia Elevator Company, 254 East Sixth street, has installed automatic dumb waiters in the Wheeldon Annex apartments, electric dumb waiters in the Kingsbury and Ford street apartments, Multnomah County Poor Farm and Provincial Home at Oswego, Ore. Hydraulic elevators at Nineteenth and Northrup and Twelfth and Harrison streets.

Portland Tile and Mantel Company, 131 Eleventh street, has just completed the tile work in the Geo. A. Sears residence. Bathroom floor and walls, two mantels, floors in the sun room and vestibule. Floor and walls in the vestibule of the Zimmerman apartments, 32 bathrooms in the Pally apartments, and has the contract to do the tile work in the Raleigh building, Sixth and Washington streets.

Barthold-Barg Company has moved from their old location at 251 Washington street to convenient and commodious quarters at 289 Stark street, where they have more room to make a display of their line of architectural and engineering supplies.

Portland Sheet Metal Company, 429 East Madison street, is now manufacturing a portable sheet metal garage and contractor's office. A sample garage will be found at the junction of Stark and Burnside streets.

Contracts have just been closed with the Harris Ice Machine Works of this city for the installation of a water-cooling plant in the Yeon building. The plant will consist of a four-ton electrically driven compressor with a circulating pump, ammonia condenser and storage tank, arranged to supply each office with cooled drinking water. Provision for cooling rooms in the basement for a restaurant has been made. This will make the Yeon building the only office building in the city equipped with a plant of this character.

The Jas. I. Marshall Manufacturing Company is placing the fixtures in the down town office of the Irwin-Hodson Company on Fifth street, the new salesrooms of Atiyeh Brothers at Tenth and Alder streets and the millinery establishment of Mrs. O. P. Wolcott, corner Eleventh and Alder.

J. C. Bayer & Company, Market and Front streets, have the contract for the kalamined windows, roofing, copper work on the west wing of the Multnomah County courthouse; tile roofing, copper work, terra cotta and national system of regulation and heating and ventilating

of East Side library; roofing, copper work and metal windows in the Wilcox building; National system of regulation for the Rose City Park school.

H. Burt Reynolds, commercial photographer, 163 West Park street, is preparing 100 negatives for the Foster & Kleiser Sign Company, and 100 for the saddlery department of Marshall-Wells Hardware Company. Mr. Reynolds makes a specialty of architect's work of all kinds, photos for cuts and manufacturers' samples.

J. E. Murphy, who recently disposed of his tile factory at Salem, will build a new factory at Albany, Oregon.

The Clay Products Company will move their local plant at Clayton, Wash., to Spokane.

The Northwest Steel Company is fabricating 450 tons of steel for the Portland Railway Light and Power Company's new car sheds on Center street and 180 tons of steel to be used in the piers of the new Broadway bridge.

Kelley Brothers report the following new contracts for August: Hot air heating and fan system for the Sunnyside M. E. church; sheet metal work on the depots at Madras, Hunts Ferry and Farger for the Des Chutes Railway. They also report having closed contracts for the heating of 15 residences.

C. J. Dondero, of the Portland Cement Laundry Tray Company, reports that his factory is running at full capacity.

Parelius Manufacturing Company, 800 Multnomah street, have the contracts for the interior wood work on the Lipman-Wolfe building, Multnomah Hotel, Lincoln High School, Glencoe and Kern schools.

Portland Wire and Iron Works will install all the ornamental iron work on the west wing of the new Multnomah County courthouse, Pantages' theater, Multnomah Amateur Athletic club and rushing work on the Wilcox building, Sixth and Washington streets.

McNeil & Wallwork, architects, Swetland building, have recently received patent papers on a disappearing window frame that can be used in any class of buildings for either single or double windows of any size or thickness desired.

The Carmichael Company has completed outfitting the Reception Cafe, 255 Washington street, and the Alhambra Cafe in mahogany. The company is sending out notices notifying the trade that T. Depew is no longer connected, in any way, with them.

Galbraith & Telander, contractors of Spokane, have opened a Portland office at 801-2 Lewis building, with R. S. Fosburgh in charge.

I. M. Foster, of the Standard Wall Bed, of Spokane, was in Portland recently. The company will establish a branch office here.

The Oregon Hardware Company are conducting a slashing removal sale preparatory to occupation of their new quarters in the Worcester building.

High School Building Weakens

Grants Pass, Ore.—The new High School building that was finished this year is not up to the mechanical point of endurance. It is alleged that the contractors performed their part of the work, but that the architect did not make provisions for the heavy strains, and as a result the local contractor is going over the building with jack-screws and attempting to straighten up the places that are beginning to buckle in the roof. The plastering is falling off in a good many places owing to shrinkage of timbers.

Of Personal Interest.—Continued

R. M. Ardnt, of the Northwest Steel Company, has left for a three-weeks' trip through the Willamette Valley. W. F. Martin will take care of the local business during his absence.

W. S. Dinwiddie, a New York architect, who designed the Davenport Hotel at Spokane, was a recent Portland visitor.

W. W. Wixson, Manager paint department Marshall-Wells, Spokane, Wash., was a recent visitor to Portland.

E. A. Clark, of the Western Refining Company, has returned from his vacation.

C. R. Lewthwaite has added to his architectural practice by embarking in the automobile business. He has formed a partnership with T. A. Roots and will conduct a garage at Forty-ninth and Hawthorne avenue.

A. A. Arend, architect and contractor, has moved to Twenty-second and Brazee streets.

Bend Building Boom Continues

Bend, Ore.—Bend's growth has been most striking, according to figures compiled on building work done since the first of the year. These figures show that there have been completed and are under construction 54 residences and business buildings, the total cost of which is \$85,000. Buildings of less than \$500 valuation were not counted.

The business houses or additions thereto number 19. Among the number is a four-story flouring mill which, with machinery, cost \$7,000. The machinery is being freighted in from Opal City. The mill will be ready for operation by October 1.

The residences are all of substantial character, including a number of handsome bungalows. A brick home is also in the list. It was constructed entirely of brick made here.

When it is considered that all the material used in these buildings, with the exception of the pine lumber, had to be freighted in from Shaniko, Madras or Opal City, the record is considered remarkable.

Building Continues Active at the Dalles

The Dalles, Ore.—In six months, that is from February 15 to August 15, permits have been issued by the city recorder for the erection of 47 dwellings and two business buildings, besides a permit for \$25,000 improvements to a store building. The 47 dwellings range in price from \$1,000 to \$4,000.

Cement Brick Plant Ready at Gold Beach

Gold Beach, Ore.—A cement brick factory has been established in Gold Beach. George Stafford and D. M. Moore are the proprietors of the new enterprise and Reuben Ralph is the chief mixer. A few thousand bricks have been moulded and are drying and will be critically tested. If they stand the test it will be the aim of the owners of the machine to keep enough on hand to supply the local market.

Would Develop Clay Deposits

Coquille, Ore.—J. P. DeGessen, who lives down the coast from Bandon, has discovered large deposits of clay suitable for the manufacture of high class white brick. Mr. De Gessen is preparing to develop a brick business at Bandon.

A Resume

Recent items selected from the Daily Advance Reports of The Pacific Coast Architect.

Portland.

Apartment House. Architects Claussen & Claussen prepared plans for three-story brick apartment house to cost \$20,000.

School Building. Architects Jacobberger & Smith prepared plans for eight-room reinforced concrete school house to be built at Rose City Park.

Warehouse. Architects McNaughton & Raymond prepared plans for warehouse for M. Sells & Co., to cost \$35,000.

Residence. Architect & Builder C. H. Donahue prepared plans for residence for C. H. Chick to cost \$20,000.

Brewery Addition. Architects Jacobberger & Smith prepared plans for the erection of three-story brick fire-proof addition to Gambrinus Brewery.

Residence. Architects Bridges & Webber prepared plans for residence for T. B. Reed on Portland Heights.

Store & Hotel Building. Architect D. L. Williams prepared plans for store & hotel building for E. J. Daly and J. G. Edwards.

Residence. Architect D. L. Williams prepared plans for residence to cost \$40,000 for R. F. Lytle.

Apartment Bldg. Architects Swingle & Co. prepared plans for three-story apartment house for A. S. Ellis and J. B. Snyder.

Warehouse and Mill. Architects Bennes & Hendricks prepared plans for mill and warehouse for Wasco Milling Co. at The Dalles.

Hotel Building. Architects Emil Schacht & Son prepared plans for four-story brick hotel building for George and William Lawrence.

Armory. Architect Aaron Gould prepared plans for armory to be built at Salem at cost of \$30,000.

Apartment Bldg. Architects Kroner & Henn prepared plans for apartment house for Mr. Kely to cost \$12,000.

Store & Office Bldg. Architects Claussen & Claussen prepared plans for store and office building for Mrs. Mary Wilhelm to cost \$10,000.

Opera House & Business Bldg. Architects Goodrich & Goodrich prepared plans for three-story brick opera house and business building at Hood River to cost \$30,000.

School Bldg. Architects Kroner & Henn prepared plans for school at St. Helens to cost \$8,000.

Garage. E. Henry Wemme will erect garage at cost of \$60,000. School Addition. Steele & Bertelsen will erect addition to Kern school to cost \$20,000.

Hotel Bldg. Spencer, McCain Co. prepared plans for five-story reinforced hotel bldg.

Residence. Architect Edward T. Root prepared plans for residence for Judge Gantenbein.

Alteration, Court House. Architect John G. Wilson prepared plans for altering Oregon City Court House at cost of \$20,000.

Apartment Bldg. Architect Edward T. Root prepared plans for apartment bldg. for Mr. Frohman.

Hospital. Architect Robert T. Tegen prepared plans for hospital for Sisters of Charity to be built at Vancouver, B. C., at cost of \$100,000.

Apartment Bldg. Architects Emil Schacht & Son prepared plans for four-story brick apartment house to be built at Roseburg for J. W. Perkins.

Hotel and Store Bldg. Leonard Construction will build four-story hotel and store bldg. for H. J. Ottenheimer.

Auditorium. Architect Ellis F. Lawrence has been named as Consulting Architect for the auditorium to cost \$600,000.

Remodel Store Bldg. Architect David C. Lewis prepared plans for remodeling store bldg. at a cost of \$20,000.

Remodeling Warehouse. Architect W. B. Bell prepared plans for remodeling warehouse to cost \$20,000.

Municipal Bldg. Architects Lazarus & Logan prepared plans for two-story office bldg. for the Water Department to cost \$25,000.

Warehouse. Architects Whitehouse & Foulhoux prepared plans for four-story brick and mill construction warehouse.

Oregon.

Infirmiry. Klamath Falls. Architect I. J. Knapp prepared plans for a new County Infirmiry.

Library. Union. Architect H. G. Ellis, Spokane, prepared plans for Carnegie Library.

Masonic Temple. Medford. Masonic building being built at a cost of \$40,000.

Library. Newberg. Architects S. E. Watkins & Son prepared plans for Carnegie Library.

Residence. Salem. Ex-Mayor Rodgers will erect thoroughly modern Colonial residence.

City Hall. Elgin. Plans prepared for City Hall building to cost \$15,000.

Office Bldg. Albany. E. H. Rhodes will erect three-story brick office and store bldg.

Filtration Plant. Albany. Oregon Power Co. erecting filtration plant to cost \$30,000.

Business Block. Burns. Plans prepared for two-story brick, stone trimming, business bldg.

School Bldg. Burns. Plans prepared for school house to cost \$30,000.

School Bldg. Vale. Architect Chas. Burgraff, Albany, prepared plans for three-story brick school to cost \$25,000.

Chautauqua Bldg. Ashland. A building will be erected at a cost of \$20,000.

Postoffice Bldgs. Bills have been introduced for an appropriation of \$100,000 for postoffices at Oregon City, Corvallis and Ashland.

Hotel. Vale. Plans prepared for forty-room hotel near Vale Hot Springs Bath House.

Water System. Pendleton. Engineer Frank C. Kelsey prepared plans for Water System to cost \$200,000.

Asylum. Pendleton. State Architect Knighton prepared plans for a large branch asylum.

Federal Bldg. La Grande. The Campbell Building Co. will erect the Federal Bldg. Their bid was \$51,675.

Garage. Medford. The Rau-Mohr Co. will build garage to cost \$13,000.

Church. Eugene. The Methodist Church will erect a new bldg. at a cost of \$100,000.

Seattle.

Garage. Architect John Carrigan prepared plans for two-story brick, concrete and mill construction garage to cost \$28,000.

Residence. Architect John F. Everett prepared plans for residence to cost \$7,000.

Garage. Architects Gould & Champney prepared plans for reinforced concrete garage to cost \$10,000.

School Bldg. Architects Beezer Bros. prepared plans for Catholic School to cost \$25,000.

School Bldg. Franklin High School will be built at a cost of \$350,000.

Store and Office Bldg. West & Wheeler will erect two-story brick store and office bldg to cost \$15,000.

Apartment House. Architect Robert T. Knipe prepared plans for three-story brick veneer apartment house.

Spokane.

Warehouse. The Pacific Transfer Co. erecting brick and concrete warehouse to cost \$15,000.

Factory Bldg. The Spokane Asbestos Fire Brick Co. erecting factory bldg. to cost \$30,000.

Lodge Bldg. Architect Frank Clapp prepared plans for Lodge Bldg. to cost \$150,000.

Residence. James A. Watson will erect residence to cost \$10,000.

Apartment House. Architects Cowley & Rigg prepared plans for five-story brick apartment bldg. to cost \$50,000.

Apartment Bldg. J. W. Close will erect five-story brick apartment bldg. to cost \$36,500.

Business Bldg. Swift & Co. will erect four-story brick bldg. to cost \$75,000.

Washington.

School House Addition. Tacoma. Architect Frederick Heith prepared plans for addition to Sheridan School to cost \$30,000.

Machinery Bldg. North Yakima. State Fair Association erecting machinery bldg. to cost \$10,000.

Y. M. C. A. Ellensburg. N. A. Jones awarded contract for Y. M. C. A. bldg. Bid \$34,300.

Hotel. Zillah. Architects Weatherwax & Son, North Yakima, prepared plans for two-story brick and cement hotel to cost \$10,000.

School House. Leavenworth. Architect C. F. White, Spokane, prepared plans for school house to cost \$25,000.

School Bldg. Everett. Architect B. F. Turnbull prepared plans for school bldg. to cost \$25,000.

Lodge Bldg. Olympia. Architect Samuel G. Ward prepared plans for Lodge Bldg. for the Knights of Pythias to cost \$12,000.

Masonic Temple. Olympia. H. L. Ellsworth is erecting Masonic Temple to cost \$20,000.

Church. Aberdeen. Architect G. B. Reis prepared plans for Catholic Church to cost \$35,000.

School Bldg. Humpulips. Plans prepared for school bldg. to cost \$12,000.

School House. Cosmopolis. Architect C. E. Troutman, Aberdeen, prepared plans for eight-room reinforced concrete school bldg. to cost \$20,000.

Church. Cosmopolis. Architect C. E. Troutman, Aberdeen, prepared plans for First M. E. Church bldg. to cost \$35,000.

Store Bldgs. Snohomish. Plans prepared for nine concrete store bldgs. to cost \$30,000.

Hospital. Sedro-Woolley. Administration bldg. being built for Northern Hospital for the Insane to cost \$115,000.

Business Bldg. Pasco. J. E. Doughty will build the Kerfoot bldg. to cost \$22,000.

Business Bldg. Aberdeen. Powell & Cunningham will erect two-story frame business bldg. to cost \$8000.

State Capitol. Temple of Justice. Olympia. Architects Wilder & White, New York City, prepared plans for Temple of Justice, the first of Capitol Bldgs. at a cost of \$350,000.

Library. Wenatchee. Architects Blackwell & Baker, Seattle, prepared plans for two-story brick and stone library to cost \$10,000.

Church. Walla Walla. Architect U. Grant Fay prepared plans for bldg. for the First Baptist Church to cost \$40,000.

Idaho.

High School. Nampa. Plans prepared for two-story pressed brick high school to cost \$70,000.

Hotel. Kellogg. Architect Robert C. Sweatt, Spokane, prepared plans for hotel to cost \$27,000.

Business Bldg. Emmett. Plans prepared for four-story business bldg. to cost \$40,000.

Capitol Bldg. Boise. The James Stewart Co. will erect the central section of the Idaho State Capitol. Their bid was \$472,500.

University Bldg. Moscow. Architects Preusse & Zittel, Spokane, prepared plans for administration bldg. for the University of Idaho to cost \$100,000.

British Columbia.

Business Bldg. Vancouver. Architect S. B. Birds prepared plans for four-story reinforced concrete bldg.

Residence. Vancouver. Architects Somervell & Putman prepared plans for brick residence to cost \$10,000.

Warehouse. Vancouver. Architect Raphael A. Nicoles prepared plans for five-story brick and mill construction warehouse.

Rooming House. Vancouver. Architect E. E. Blackmore prepared plans for two-story rooming house to cost \$10,000.

Apartment House. Vancouver. The Caledonian Investment Co. will erect three-story brick apartment to cost \$35,000.

Apartment House. Vancouver. Architect F. H. Perkins prepared plans for three-story brick apartment house to cost \$75,000.

Apartment House. Vancouver. Architect G. P. Bowle prepared plans for four-story mill and brick construction store and apartment bldg.

Store and Office Bldg. Vancouver. Architects Parr & Fee prepared plans for six-story reinforced concrete and brick store and office bldg.

Library Bldg. Victoria. Architect B. M. Rattenbury prepared plans for library to be built on the unit system at a cost of \$750,000.

Office and Hotel Bldg. Victoria. The Norton-Griffiths Construction Co. will erect an eight-story office and hotel bldg. to cost \$400,000.

School House. Trail. John Burns & Son will erect the brick and concrete school house to cost \$40,000.

Hold Out on Contractors

Olympia, Wash.—All State contracts will hereafter contain a provision under which the contractor agrees to come under the industrial insurance act, and by which the State will each month hold out from contract estimates enough money to meet the tax called for by the omission.

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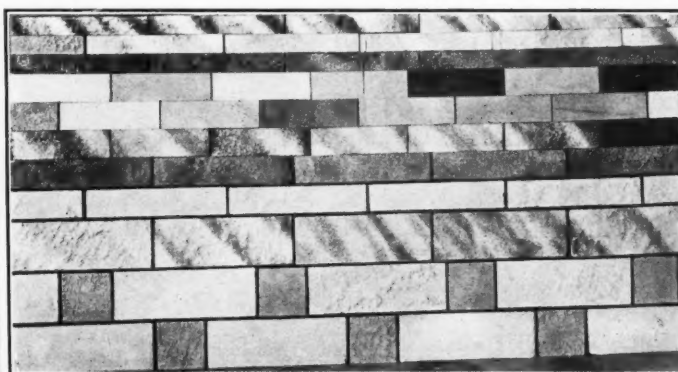
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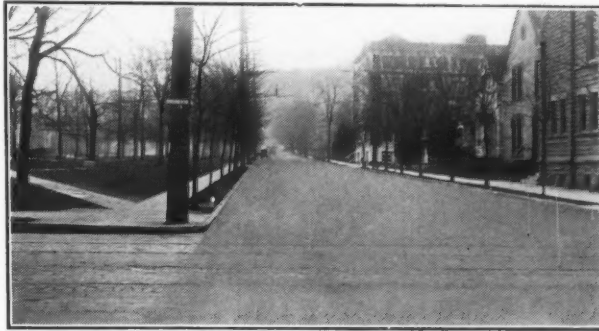
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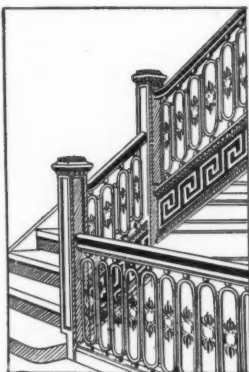
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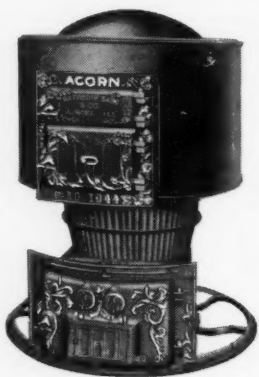
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